

The background of the entire page is a dark teal color. Overlaid on this are several geometric shapes. A grid of three vertical columns and two horizontal rows is formed by thin white lines. The columns are filled with a lighter teal color, while the rows are filled with a darker purple color. At the bottom of the page, there are four hexagonal shapes arranged horizontally. The first and third hexagons from the left are filled with the same lighter teal color as the columns, while the second and fourth are filled with the same darker purple color as the rows. The text 'SIMMONS COLLEGE BULLETIN' is centered within the first column of the grid.

SIMMONS

COLLEGE

BULLETIN

1964-1965 CATALOGUE

APRIL 1, 1964

R. Vernon

SIMMONS

COLLEGE

ALL requests for applications should be forwarded to the
Director of Admissions, Simmons College, Boston, Mass.

DIRECTOR OF ADMISSIONS

STUDENT UNION

THE COLLEGE

BOSTON, MASSACHUSETTS 02115

1964-1965 CATALOGUE

Number 4

April 1, 1964

Volume 171

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All requests for application forms or for information
with regard to the College should be addressed to the

DIRECTOR OF ADMISSION
SIMMONS COLLEGE
THE FENWAY
BOSTON, MASSACHUSETTS 02115

Volume LVII

April 1, 1964

Number 6

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SIMMONS

COLLEGE

1964-1965 CATALOGUE

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Main College Building

The Fenway, Boston 02115

566-7400

ADMINISTRATION; COLLEGE POLICY

President

INSTRUCTION

Dean of Instruction

RESIDENCE; STUDENT WELFARE

Dean

ADMISSION

Director of Admission

COURSES; STUDENT RECORDS

Registrar

FEES

Comptroller

SCHOLARSHIPS; FINANCIAL AID

Director of Student Financial Aid

PLACEMENT OF GRADUATES;
STUDENT EMPLOYMENT

Director of Placement

OFFICE OF DEVELOPMENT

Director of Development

ALUMNAE ASSOCIATION

Director of Alumnae Affairs

BUILDING EQUIPMENT

Business Manager

Beatley Library-Lefavour Hall

The Fenway, Boston 02115

566-7400

Evenings and weekends

566-9837

School of Social Work

51 Commonwealth Avenue, Boston 02116

266-0738

Residence Halls

Director of Students

255 Brookline Avenue, Boston 02215

277-5494

Manager of Residence

321 Brookline Avenue, Boston 02215

277-4432

INFIRMARY

94 Pilgrim Road, Boston 02215

566-5024

*For individual halls and houses, see Register of Officers and Students
or Boston Telephone Directory*

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1964

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Calendar 1964—1965

This Calendar defines the College year for regular full-time undergraduate students. Calendars for special programs are stated elsewhere.*

SEPTEMBER 21	<i>Freshman Orientation begins</i>
SEPTEMBER 23-25	<i>Registration</i>
SEPTEMBER 28	<i>College year begins</i>
OCTOBER 12	<i>Columbus Day holiday</i>
NOVEMBER 11	<i>Veterans Day holiday</i>
NOVEMBER 25	<i>College closes at noon</i>

Thanksgiving Recess

NOVEMBER 30	<i>College opens</i>
DECEMBER 18	<i>College closes</i>

Christmas Vacation

JANUARY 4	<i>College opens</i>
JANUARY 22	<i>Classes end</i>
JANUARY 25	<i>Examination period begins</i>
JANUARY 27	<i>Commencement Day for Physical Therapy Students</i>
FEBRUARY 5	<i>Examination period ends</i>
FEBRUARY 8	<i>Second half-year begins</i>
FEBRUARY 22	<i>Washington's Birthday holiday</i>
MARCH 26	<i>College closes</i>

Spring Vacation

APRIL 5	<i>College opens</i>
APRIL 19	<i>Patriots Day holiday</i>
MAY 28	<i>Classes end</i>
MAY 31	<i>Memorial Day holiday</i>
JUNE 1	<i>Examination period begins</i>
JUNE 10	<i>Examination period ends</i>
JUNE 13	<i>Commencement Day</i>

* Physical Therapy, fourth-year and graduate program, see pages 82, 86, and 88. Medical Technology, fourth-year and graduate program, see pages 83, 87, and 88. After-hour and Saturday classes, see appropriate announcement.

THE CORPORATION, 1963-1964

RUTH HORNBLOWER CHURCHILL, A.B., *Emeritus* Belmont
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 FRANKLIN KNIBLOE HOYT, LL.B. West Newton
 JOHN CROCKER, JR., B.D. Providence, Rhode Island
 HARRIETTE GORDON ELLIS, S.B. Newton
 WALTER EDWARD CAMPBELL, M.A.RCH. Cambridge
 ALLAN RISLEY FINLAY, A.B. Wayland
 LYSLA ISABEL ABBOTT, S.B. Portland, Maine
 ARTHUR PERRY, JR., A.B. Concord
 VIRGINIA HAYNES CHRISMAN, S.B. Northfield, Illinois
 FRANK WEYMAN CROCKER, LL.B. Westwood
 ALINE COLTON WHITESIDE, S.B. Andover

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 FRANKLIN KNIBLOE HOYT, LL.B. *Clerk*
 WILLIAM EDGAR PARK, B.D., D.D., S.M., L.H.D., LL.D.

President of the College

RICHMOND KNOWLTON BACHELDER, B.B.A. *Treasurer*

CAROLINE FIELD CHAPMAN, S.B. *Assistant Clerk*

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MISS LYSLA I. ABBOTT, Portland, Maine
MISS DOROTHY BARTOL, Milton
MRS. LOUIS C. BARTOL, Milton
MRS. BANCROFT BEATLEY, Belmont
MRS. DANIEL BLOOMFIELD, Brookline
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MISS MARION L. DECROW, Boston
MRS. CARL DREYFUS, Boston
MRS. JOHN MORSE ELLIOT, Boston
MRS. PARKER K. ELLIS, Newton
MRS. ALLAN R. FINLAY, Wayland
MRS. W. ALBERT GALLUP, Weston
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MISS ANNA A. KLOSS, Medford
MISS AIMÉE LAMB, Milton
MRS. EVERETT F. MERRILL, Worcester
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MRS. EDWIN S. WEBSTER, Chestnut Hill
MRS. WESLEY D. WHITE, Waban
MRS. CHARLES B. M. WHITESIDE, Andover
MRS. GRAFTON L. WILSON, Cambridge

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MRS. CHESTER H. CLEMENS
MR. RALPH T. ESTERQUEST
MR. GUSTAVE A. HARRER

MR. PHILIP HOFER
MR. FRANCIS P. KEOUGH
MR. LAURENCE J. KIPP
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MR. WYLLIS E. WRIGHT

School of Social Work

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THE DIRECTOR OF THE SCHOOL
THE PRESIDENT OF THE ALUMNI
ASSOCIATION OF THE SCHOOL
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DR. JACK R. EWALT

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MRS. ERWIN N. GRISWOLD
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THE REV. SAMUEL TYLER, JR.
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MR. PRESCOTT C. CRAFTS, JR.
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MISS ABBIE E. DUNKS
MR. HOWARD CAMBRILL, JR.
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MRS. FRANK J. KENNEY
MR. RICHARD PRESTON
MR. CARL N. SCHMALZ

MR. VINCENT C. ZIEGLER

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The following is the list of officers of instruction holding appointments for the year 1963-64. It also includes new titles and the names of new officers for the year 1964-65 insofar as they have been determined at the time of publication.

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L.H.D., LL.D.
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Vice-President, and Dean of Instruction

ELEANOR CLIFTON, A.M.
Dean

WYLIE SYPHER, PH.D.
Dean of the Graduate Division

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Director of Health

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Director of Continuing Education

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B.S. IN L.S.
Director of the Library

JANE ELLEN CURTIN, S.B.
Director of Admission

ANNA MOORE HANSON, S.B.
Director of Placement

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Professor of Physics, Emeritus

ALICE FRANCES BLOOD, PH.D.
Professor of Nutrition, Emeritus

ULA DOW KEEZER, A.M., D.SC.
Professor of Foods and Home Management, Emeritus

SARA HENRY STITES, PH.D.
Professor of Economics, Emeritus

CAROLINE MAUDE HOLT, PH.D.
Professor of Biology, Emeritus

FLORA MCKENZIE JACOBS
Associate Professor of Secretarial Studies, Emeritus

FLORENCE SOPHRONIA DIAL
Associate Professor of Physical Education, Emeritus

EDITH ARTHUR BECKLER, S.B.
Assistant Professor of Public Health, Emeritus

A. LOUISE CROCKETT, A.M.
Assistant Professor of English, Emeritus

HELEN WOOD, R.N., A.M.
Professor of Nursing, Emeritus

HELEN RICH NORTON, A.B.
Professor of Retailing, Emeritus

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S.B.
Assistant Professor of Biology, Emeritus

KATE MCMAHON, HH.D.
Professor of Social Economy, Emeritus

MARION EDNA BOWLER, A.M.
Associate Professor of Romance Languages, Emeritus

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Associate Professor of Secretarial Studies, Emeritus

JANE LOUISE MESICK, PH.D., LITT.D.
Dean, Emeritus

EVA WHITING WHITE, S.B.
Professor of Social Economy, Emeritus

CURTIS MORRISON HILLIARD, A.B.
Professor of Biology and Public Health, Emeritus

KATHARINE DAVIS HARDWICK, A.B.
Professor of Social Economy, Emeritus

HARRISON LEROY HARLEY, PH.D.
Professor of Philosophy and Psychology, Emeritus

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Associate Professor of Textiles, Emeritus

ALICE CHANNING, PH.D.
Professor of Social Economy, Emeritus

BANCROFT BEATLEY, ED.D., LITT.D.,
 LL.D.
President, Emeritus

ELDA ROBB, PH.D., D.SC.
Professor of Nutrition, Emeritus

HELEN GOLLER ADAMS, A.M.
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Associate Professor of Physics, Emeritus

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LELAND DAVID HEMENWAY, A.M.
Professor of Mathematics, Emeritus

MAIDA HERMAN SOLOMON, A.B., S.B.
Professor of Social Economy, Emeritus

NELLIE MARIA HORD, A.M.
*Associate Professor of Foods and
 Nutrition, Emeritus*

ROYAL MERRILL FRYE, PH.D.
Professor of Physics, Emeritus

ISABELLA KELLOCK COULTER, A.M.
Professor of Advertising, Emeritus

VIOLA ENGLER ANDERSEN, M.B.A.
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 Emeritus*

MARJORY STIMSON, R.N., A.M.
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TILLY SVENSON DICKINSON, ED.M.
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 Emeritus*

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 Management, Emeritus*

LYLE KENNETH BUSH, A.M.
Associate Professor of Art, Emeritus

MILDRED LAUDER COOMBS, S.M.
Associate Professor of Biology, Emeritus

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Chairman of the Division

English

WYLIE SYPHER, PH.D.
Professor of English

RAYMOND FRANCIS BOSWORTH, A.M.
Professor of English

JUDITH MATLACK, A.M.
Professor of English

KENNETH MYRON GREENE, A.M.
Professor of English

* GEORGE WILSON NITCHIE, PH.D.
Associate Professor of English

RICHARD CLARK STERNE, PH.D.
Associate Professor of English

MARGARET BONNEY MILLIKEN, A.M.
Assistant Professor of English

† CHARLES EDMUND L'HOMME, A.M.
Assistant Professor of English

‡ LAWRENCE LEE LANGER, PH.D.
Assistant Professor of English

DAVID SCOTT PERRY, A.M.
Assistant Professor of English

* On sabbatical leave, first half-year 1964-65.
 † On sabbatical leave, second half-year 1964-65.
 ‡ On leave of absence, 1963-64.

WILLIAM MICHAEL MANLY, A.M.
Instructor in English

EDZIA FRYDMAN WEISBERG, A.M.
Instructor in English

RICHARD B. FREEDMAN, A.M.
Instructor in English

KATHLEEN SUNSHINE KOPPELL, A.M.
Special Instructor in English

CARLA ZELLERMAYER BANK, A.B.
Special Instructor in English

Modern Languages

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Professor of Spanish

MANFRED KLEIN, PH.D.

JAMES LEET VALENTINE NEWMAN,
A.M.

Associate Professor of French
Associate Professor of German

* EDWARD HARRIS ADDELSON, PH.D.

Associate Professor of French

† SOLITA SALINAS MARICHAL, M.A.
Assistant Professor of Spanish

HELEN MAMIKONIAN, A.M.
Assistant Professor of Russian

MARY CARSON KAHL, A.M.
Instructor in French

DON HAYES MCKEEN, A.M.
Instructor in French

JANET CLAIRE TELLA, A.M.T.
Instructor in French

MARIE SMITH WELLS, A.M.
Special Instructor in German

GISELE NETTER BISACCIA, DIPLÔME
D'ÉTUDES SUPÉRIEURES
Special Instructor in French

ALBA DELLEPIANE COREA, B.A.
Special Instructor in Spanish

Latin

MERVYN MICHAEL KEIZER, A.M.
Special Instructor in Latin

Art History

RICHARD BRUCE CARPENTER, PH.D.
Associate Professor of Art History

LYLE KENNETH BUSH, A.M.
Lecturer on Art History

Music

BURTON ABERCROMBIE CLEAVES,
MUS.M.
Assistant Professor of Music

DONALD SAWYER MARCH, MUS.M.
Lecturer on Music

DIVISION OF SOCIAL STUDIES

CARROLL FRENCH MILES, PH.D.
Chairman of the Division

History

WILLIAM FREDERICK KAHL, PH.D.
Professor of History

BRUCE CARLTON HAWTHORNE, PH.D.
Associate Professor of History

JOHN CLEARY HUNTER, PH.D.
Associate Professor of History

HENRY JAMES HALKO, PH.D.
Associate Professor of History

* On sabbatical leave, second half-year 1964-65.
† On leave of absence, second half-year 1964-65.

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SUMNER MAURICE ROSEN, PH.D.
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*HARRY MORTON JOHNSON, PH.D.
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†ATHENA RENTOUMIS THEODORE,
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‡JOSEPHINE FISHEL MILBURN, PH.D.
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RICHARD ANDREW PIGOTT, ED.M.
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BRUCE DAVID GROSSMAN, A.M.
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*On leave of absence, 1963-64.

† On leave of absence, 1964-65.

‡ On leave of absence, second half-year 1963-64.

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* On sabbatical leave, second half-year 1964-65.

† On sabbatical leave, first half of year 1964-65.

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* On sabbatical leave, 1964-65.

† On sabbatical leave, second half-year 1963-64.

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NEIL GRAY, A.B. IN ED.

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Lecturer on Medical Information

SUZANNE ZEITLIN DEUTSCH, S.M.
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MARY ANN HILLSON, S.M.
Special Lecturer on Medical Social Work

ELEANOR GAY, A.M., M.S.S.
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Special Lecturer on Socio-Cultural Dynamics

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* On leave of absence, 1964-65.

EDWIN FRANCIS MORAN, JR., ED.M.
Assistant Professor of Secretarial Studies

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Assistant Professor of Advertising

TILLY SVENSON DICKINSON, ED.M.
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JESSIE MILDRED STUART, A.M.
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Assistant Professor of Child Development, and Director of the Child Study Center

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Lecturer on Nutrition

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Lecturer on Family Relations

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* On sabbatical leave, second half-year 1964-65.

† On sabbatical leave, first half-year 1964-65.

‡ On sabbatical leave, second half-year 1963-64.

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Women's Editor, THE BOSTON GLOBE

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Consulting Psychiatrist

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Roentgenologist

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beginning July 1, 1964*

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MARY CULVER PHILBRICK
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THERESA SMYTH COYNE
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SIMMONS COLLEGE

Simmons College in Boston is a non-sectarian women's college that combines liberal with professional education. The will of its founder, John Simmons, directed that the College should give instruction in "art, science, and industry best calculated to enable the scholars to acquire an independent livelihood." In pursuance of that trust the Corporation was organized in 1899, and the College was opened for instruction in 1902. Thus Simmons became one of the first colleges for young women in this country to recognize the value of combining vocational instruction with a liberal and cultural education.

The strength of this program has won widespread recognition. The College is a member of the New England Association of Colleges and Secondary Schools and was for many years on the approved list of the Association of American Universities until that organization discontinued accrediting practice.

Some 1,700 students are enrolled in the regular undergraduate and graduate programs. Among these students are more than 300 graduates of other colleges. About 300 students attend the summer session, making a total of some 2,000 registered for courses at Simmons. Nearly every state and numerous foreign countries are represented. More than seventy-five per cent of the undergraduates live in the College residences; the others commute from the greater Boston area.

The Plan of Education

Educationally the Simmons College undergraduate program is organized into a general first year; and beyond that into seven schools, each with its own director, each with its own technical and professional objectives. These schools are Publication, Social Science, Education, Business Administration, Science, Home Economics, and Nursing.

In combining a liberal education with that which has a definite vocational purpose, the programs vary in their pattern; but in general a student devotes about three-quarters of her time to the liberal arts and sciences, the remainder to subjects of a professional nature.

Each school in its own way and in terms of the demands of its own professional field strives to carry out the basic philosophy of the College:

- (1) that vocational education on the college level to be strong must rest on a firm academic foundation,
- (2) that there must be constant emphasis on the broad principles which underlie vocational competence in any field,
- (3) that training in skills should be limited to those that are essential to success in initial employment.

Students do not make their *definite* choice of professional schools until the end of their first year. This year is devoted to general education, with the program of each student planned in relation to her previous education and her probable vocational interest.

The undergraduate programs lead to the degree of Bachelor of Science, except that students completing the pregraduate program in the School of Education are awarded the degree of Bachelor of Arts.

The Schools of Social Work and Library Science offer only graduate programs leading to the degree of Master of Science. In addition, most of the schools offer professional graduate programs leading either to the master's degree or to the diploma.

GUIDANCE

An integration of guidance services helps each new student to make the transition from high school and home environment to the maturity, independence, and self-reliance of a Simmons student. Her faculty adviser and other instructors, the Dean and staff members of the Dean's Office, the Health Office (including the Consulting Psychiatrist, if needed), as well as the Director of Students and the residence staff members, assist the student in understanding herself, recognizing her abilities, choosing her goals, and taking her place in the realistic learning situation of group living.

With the background of her first-year guidance, the student is able to choose the professional opportunity which best fits her personality and abilities. Beyond the first year a student turns to the director of her professional school, as well as to the Dean and the Assistant to the Dean.

PLACEMENT

The Placement Office is ready at all times to serve Simmons undergraduates, seniors, graduate students, and alumnae through counseling and placement assistance. They may register for part-time employment during the college year, for full-time summer work, or for permanent positions at beginning or advanced levels.

It is the policy of the College to advise a prospective student who is planning to earn part of the cost of her education to enter only if she can meet the expenses of the first year at least. When she has demonstrated her ability to carry the work of the College, she may assume the added responsibility of a few hours per week toward partial self-maintenance.

All students seeking work opportunities should register their qualifications and needs in the Placement Office. Scholarship students are urged to do so and

will be given preference for positions within the College. Students in good academic standing may sometimes earn money during the college year by tutoring, assisting laboratory instructors, doing clerical work, or helping in the cafeteria, dining hall, or library at the College, or other institutions in the immediate vicinity. The Placement Office is glad to assist also in securing such part-time work as the city affords (sales, office work, recreation in community centers, baby-sitting, and so forth), as well as in finding full-time summer employment.

Qualified students may be granted permission to earn board and room by assisting in some capacity in private families. Such arrangements must be made through the Placement Office. Permission is granted only to those whose health and academic standing have been approved by the College Physician and the Dean.

Although graduation is of course no guarantee of recommendation, the College makes every effort to assist its graduates in finding satisfying employment. The directors of the schools, the faculty, and former employers provide recommendations for the use of the Placement Office in suggesting candidates for permanent positions throughout the United States and overseas.

Everyone interested is invited to make use of the services of the Placement Office for vocational counseling and placement assistance.

CONDITIONS OF ADMISSION

The First-Year Class

Simmons welcomes applications from young women whose abilities and interests promise success in college work. While most candidates have a background of study in English, foreign language, mathematics, social studies, and science, Simmons requires no specific subjects or units of study. A college preparatory course in secondary school is recommended, but Simmons occasionally accepts outstanding candidates whose secondary education has varied from the usual college-preparatory pattern. Whatever the applicant's background, her school record should be of such quality as to justify recommendation to college. Applicants should study at least four academic subjects during each year of secondary school. The Director of Admission is glad to correspond with applicants regarding their preparation.

The Committee on Admission gives careful consideration to all available information about each candidate and accepts those who seem best qualified for the work at Simmons College. Since it is necessary to limit the size of the freshman class to between three hundred and three hundred and fifty students, not every candidate who is qualified for admission can be accepted. Most candidates receive decisions in April.

A few well-qualified applicants are accepted early in the senior year, on the Simmons early-decision plan. If early consideration is requested before November first, early-decision candidates must agree to withdraw applications to all other colleges when the notice of acceptance is received from Simmons College. A student who is accepted early is expected to present a final record in June showing continued satisfactory work.

Certain credentials are required of all applicants for admission to the first-year class. These are as follows:

1. *Application Form.* Each applicant fills out an application form furnished by the Director of Admission and returns it before February first with the required application fee of fifteen dollars. The application and the fee may be transferred to apply to the succeeding year if notification is received at the Admission Office not later than October first of the year for which the candidate originally filed her application; otherwise the application is automatically withdrawn.

2. *School Record.* The principal of the candidate's secondary school submits a complete transcript of the applicant's record either on the form sent directly from the College or on his own cumulative record form. The record covers grades nine through twelve, and includes the final mark in each subject taken each year, rank in class, results of objective tests of aptitude and achievement where these are available, a statement of graduation, and all data on the school's permanent record which will assist the College in its judgment of the applicant's fitness. A transcript of record from each school attended is required when the candidate has studied at more than one school.

Simmons participates in the Advanced Placement Program of the College Entrance Examination Board. Depending upon the results of Advanced Placement tests, credit may be given for Advanced Placement courses completed in secondary school.

3. *College Board Tests.* Every applicant for admission is required to take the Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board. No specific preparation is necessary. Information concerning the tests may be obtained without charge by writing to the College Entrance Examination Board, Post Office Box 592, Princeton, New Jersey; or Post Office Box 1025, Berkeley 1, California. A copy of the bulletin of information is routinely sent to every candidate requesting an application blank. It contains information regarding applications, fees, and reports; advice to candidates; descriptions of the tests; sample questions; and lists of examination centers.

The dates for the College Board Tests, with closing dates for the receipt of applications for the tests at the College Board office, are as follows:

<i>Tests to Be Given</i>	<i>Date of Tests</i>	<i>Closing Date</i>
SAT, AT	December 5, 1964	November 7, 1964
SAT, AT	January 9, 1965	December 12, 1964
SAT, AT	March 6, 1965	February 6, 1965
SAT, AT	May 1, 1965	April 3, 1965
SAT, AT	July 14, 1965	June 16, 1965

The Scholastic Aptitude Test and the Achievement Tests may be taken in May of the junior year, or in the senior year, preferably in December or January. Early-decision candidates must take the Scholastic Aptitude Test and the Achievement Tests in the junior year.

Three Achievement Tests must be taken: one in English Composition and the others selected from two of the following fields: foreign language, history, science, or mathematics.

It is the responsibility of the candidate to obtain an application form from the College Board in order to register in advance for the tests. When requesting the application the candidate must state the date on which she wishes to take the tests. The candidate is urged to send the application for the tests and the required fees to the College Board as early as possible, preferably several weeks before the date of the examinations.

4. *Principal's Recommendation.* The principal of the candidate's secondary school furnishes a confidential report on the personal qualifications of the ap-

plicant and her general fitness to pursue the course of study at Simmons College.

5. *Health Certificate.* Each applicant is required to submit a complete report of health filled out by the student and her physician on a form provided by the College, usually after acceptance. Good health is essential in pursuing a college program and formal admission to the College is contingent upon medical approval of the health certificate.

6. *Personal Interview.* Each applicant should arrange, before March first of the senior year, for a personal interview with the Director of Admission. Interviews with alumnae or other qualified persons can usually be arranged for candidates living at a distance.

Interviews may be arranged Monday through Friday from nine to four; Saturday from nine to twelve, October to May. Appointments must be made in advance.

Advanced Standing

Applicants who have satisfactorily completed one year or more in approved colleges may be admitted to advanced standing in any of the schools of the College.* Registered nurses who have been graduated from state-approved diploma schools of nursing may be admitted to the School of Nursing with advanced standing. Each applicant must be able to present a strong record and to convince the College of her fitness for the professional work of the program she wishes to enter. The number of transfer students accepted is governed by the limited enrollment in certain of the professional schools and by the capacity of the residence halls.

A student whose marks are sufficiently high may be allowed credit for academic subjects which are substantially equal to those offered in the program selected at Simmons College. Credit for technical work may not be promised in advance. The amount of credit that can be allowed depends upon the program selected at Simmons and the courses already completed. It is seldom feasible for a student to transfer to the senior class after three years at another college. Applications are accepted for September entrance only. The Committee on Admission considers carefully all available information about each applicant before reaching a decision upon her eligibility.

Certain credentials are required of all applicants for advanced standing. These are as follows:

1. *Application Form.* Each applicant fills out an application form furnished by the Director of Admission and returns it with the required application fee of fifteen dollars. The application and the fee may be transferred to apply to the succeeding year if notification is received at the Admission Office not later than October first of the year for which the candidate originally filed her application; otherwise the application is automatically withdrawn.

2. *School Record.* The principal of the secondary school last attended submits a complete transcript of the applicant's record either on the form sent directly from the College or on his own cumulative record form.

* Exception: the School of Education. See pages 57 and 64.

3. *Scholastic Aptitude Test.* The Scholastic Aptitude Test of the College Entrance Examination Board is a requirement for admission. It is the responsibility of the candidate to obtain an application form from the College Board in order to register in advance for the test. (See page 39.) If the test has already been taken, the candidate should request the College Board (Post Office Box 592, Princeton, New Jersey; or Post Office Box 1025, Berkeley 1, California) to send the results to the College. If Achievement Tests were taken, those results also should be sent to the College.

The Director of Admission is glad to correspond with candidates concerning the submission of objective tests other than the College Board if such tests were taken at another college.

4. *College Record.* The College expects each candidate to present an official transcript of her college record, together with the results of any objective tests of aptitude and achievement which may have been taken at that college. When final marks are available, the applicant must file a supplementary transcript with the usual statement of honorable dismissal.

5. *School of Nursing Record.* A registered nurse is required to have an official transcript of her school of nursing record sent to the College by the director of the school of nursing.

6. *Dean's Recommendation.* The College asks the Dean of the institution last attended to furnish a confidential report on the personal qualifications of the applicant for the program selected at Simmons College.

7. *Health Certificate.* Each applicant is required to submit a complete report of health filled out by the student and her physician on a form provided by the College, usually after acceptance. Good health is essential in pursuing a college program and formal admission to the College is contingent upon medical approval of the health certificate.

8. *Personal Interview.* Each applicant should arrange for a personal interview with the Director of Admission.* Interviews with alumnae or other qualified persons can usually be arranged for candidates living at a distance.

The Graduate Division

For properly qualified students who hold a baccalaureate degree from a college whose work is accepted at Simmons College, two kinds of programs are available: those leading to the degree of Master of Science, and those leading to the diploma. Programs leading to the master's degree are offered in the Schools of Library Science, Social Work, and Home Economics. In most schools also, one-year programs leading to the diploma are available to properly qualified graduates of accredited colleges.

The programs in library science and social work are open to men who meet the admission requirements.

Applicants for admission to the graduate programs in library science, social work, and home economics should apply to the director of the school concerned. Those interested in other graduate programs should communicate with the Registrar of the College.

* Admission Office hours on page 40.

Summer Courses

Summer courses for graduate students are offered by the Schools of Library Science and Home Economics, as stated in the sections devoted to these schools. In the summer of 1964, institutes for high school teachers of chemistry, science, mathematics, and physics, will be offered in the School of Education under grants from the National Science Foundation.

Continuing Education

In response to an increasing demand in the Boston area, Simmons College is offering its courses to those women who wish to gain further training after a period of interruption in their education. Some women who left school before receiving their degrees now wish to complete work for their baccalaureate; others who have undergraduate degrees wish to continue work for advanced degrees or to retrain themselves in a new field. By allowing students to study on a part-time flexible basis, Simmons is able to help them pursue their education while they are still fulfilling their family or vocational commitments.

Women who are considering a continuation of their studies may obtain further information and individual attention in formulating their plans from the Director of the Continuing Education program.

PROGRAMS OF STUDY

The First-Year Class

The program for the first-year class is one of the distinctive features of the educational plan at Simmons College. In the freshman year the program of each student is planned with four purposes in mind:

1. To assist her in her transition from school to college,
2. To enable her to broaden and deepen her intellectual interests,
3. To guide her toward a wise selection of her professional objective, and
4. To help her plan for the work of her subsequent years in the College.

In her application for admission to the first-year class, the student indicates her *probable* choice of a professional school of the College. This choice is regarded as tentative until confirmed or changed at the close of the first year. By that time the student has learned more about the various professional opportunities—the talents and abilities they require, the opportunities for advancement they offer, and the nature of the preparation involved. The flexibility in the program permits the student whose aims are well defined to carry forward her plans. It helps the student whose objectives are vaguely formed to gain understanding and to plan intelligently.

Each first-year student has a member of the faculty as her adviser. He helps her in her selection of first-year courses and in her choice of a professional objective. In addition, each first-year student is enrolled in a course, *Introduction to the College*, concerned with her adjustment to college and preparation for further academic and professional training.

During the period of orientation before classes begin in September, the first-year student takes certain placement and aptitude tests. These tests indicate for the individual student which course is most suitable in English, modern language, or science. The secondary school record and these tests aid the faculty adviser in guiding the student in her selection of first-year courses. In making this selection the student and her adviser have in mind the probable professional school for the three upper years and also the necessity of furthering the student's general education.

A normal program for a first-year student consists of courses totaling 32 semester hours for the year in addition to the course *Introduction to the College* mentioned above, and physical education. These courses are selected from the following, bearing in mind that the distribution requirements for graduation (see page 160) are to be satisfied at least in part during the first year:

I. *Courses offered primarily for freshmen*

English 10 or 11 (required)
 French, German, Spanish, Latin (as determined by placement test)
 Russian
 Social Studies 10
 Biology, Chemistry, Mathematics, Physics

II. *Upperclass courses open regularly to first-year students*

Art 20	History 38
Business 21	Music 20
Economics 20	Philosophy 20
History 21, 22	Psychology 20
History 24	Sociology 20

At least 24 semester hours in courses elected in the first year must be chosen from Group I.

It should be understood that the so-called "general first year" is an essential part of the Simmons educational program, and that no undergraduate makes a *definite* choice of a professional school until the end of her freshman year. Any first-year student who has satisfactorily completed a full-time program is eligible to enter any undergraduate school of the College. Enrollment in certain areas of specialization within a school may be limited, however, by the facilities available; for example, the programs in physical therapy and in orthoptics in the School of Science. Furthermore, in a few areas of specialization, a student who has not taken the suggested first-year courses may find that she cannot follow the usual program in that area unless she is willing to do extra work, which may include summer courses.

An orientation booklet is sent to each first-year student during the summer. It includes detailed suggestions on specific courses and advice concerning the selection of all first-year programs. In general, students who have indicated a probable choice of the School of Publication, the School of Business Administration, or the programs in English and in history and social studies in the School of Education usually select:

English
 French, German, Spanish, Russian, or Latin
 Social Studies 10 or an upperclass course in social studies
 Biology, Chemistry, Mathematics, or Physics

Students who expect to choose the School of Social Science should consider electing mathematics or a laboratory science course. Those who anticipate specialization in French or Spanish in the School of Education should elect the

appropriate language. Those with an interest in the technical writing and publishing program of the School of Publication should include mathematics and/or a basic science. Students who have indicated a probable choice of the Schools of Science, Home Economics, or Nursing find the selection of courses from the science group especially important. Those who plan to enter the School of Science or to follow a specialization in science in the School of Education usually elect two subjects from among biology, chemistry, mathematics, and physics; potential Home Economics and Nursing students should select chemistry and biology.

The science electives are not compulsory, but the student who has not taken them in her first year will be restricted in her later choice of electives if she selects certain areas of specialization, and may find it necessary to do extra work either before or after graduation in order to meet the standards of certain professional accrediting organizations.

As a result of her experiences in the first-year class, the student is ready to enter the school of her choice. In her last three years, the student is governed by the requirements of the professional program which she selects and is guided by the Director of the School in which she is enrolled. She may continue to consult her first-year faculty adviser and the Dean at any time.

School of Publication

The programs of the School of Publication combine a maximum of general education with the minimum of technical training necessary to enable graduates to succeed in the publishing and editing of books and magazines, in journalism and publicity, in advertising, in technical writing and publishing, and in graphic and publishing arts. A sound liberal education provides the foundation for this work; to this is added instruction in the specific skills required for employment in these fields.

I. FOUR-YEAR PROGRAMS

The four-year programs lead to the degree of Bachelor of Science.

During their four years students spend the equivalent of more than three years in courses in literature, foreign languages, art, and music; in psychology and philosophy; in history, economics, sociology, and the other social sciences; and in the natural sciences. In the third and fourth years the student takes the technical courses that are required of all students in the School and those which she selects to complete her professional preparation.

By combining the courses offered in the School of Publication with those offered by the other schools of the College, a student can arrange an individualized program to prepare her for employment in a specialized field. The programs of the School are flexible and, if a student's individual interests are formed and expressed early enough in her college years, an individual program can be arranged that will satisfy her interests in terms of preparation for future employment.

During the fourth year all students spend two weeks in field study. This study is arranged by the School, which tries to place each student in the kind of office or organization in which she aspires to work after graduation. Students work in the editorial offices of book and magazine publishers, on the staffs of house organs of various types, in public relations offices, in the news and editorial departments of newspapers, in the copy and production departments of advertising agencies, and in radio stations. Students also receive practical experience in their work on the *Simmons Review*, the alumnae-student magazine, the publication of which is a laboratory project of the School.

Programs can be arranged for students who have satisfactorily completed one or more years at other accredited colleges, provided their study has included preliminary courses which will articulate with the requirements for the degree at Simmons College. It is recommended, however, that students transfer from other colleges not later than the end of the second year.

SECOND YEAR	English literature elective (8 sem. hrs.)
	Social science, Philosophy, or Psychology (8 sem. hrs.)
	Language, Art, and Music (8 sem. hrs.)
	Electives (8 sem. hrs.)
THIRD YEAR	Copy and Proof (Pub. 40-1)
	Introduction to the Graphic Arts (Pub. 41)
	Graphic Arts Laboratory (Pub. 42-1 or 2)
	Journalism (Pub. 30-1)
	Electives from the following group (at least 4 sem. hrs.):
	Article Writing (Pub. 31-2)
	Writing on Assignment (Pub. 32-2)
	Advanced Composition I (Pub. 33-2)
	Advertising Copy Writing (Pub. 36-2)
	Magazine and Industrial Editing (Pub. 37-2)
	Children's Books and Periodicals (Pub. 38-1)
	Electives (14 or 16 sem. hrs.)

It is recommended that students without such training elect in the junior year a course in typewriting or a course in typewriting and shorthand. The recommended courses are *Business 35* or *Business 31*.

FOURTH YEAR	Editing and Publishing Techniques (Pub. 43)
	Editing and Publishing Project (Pub. 44-2)
	Graphic Design (Pub. 45-1)
	Publishing Laboratory (Pub. 46-1 or 2)
	Electives from the following group (6 or 8 sem. hrs.):
	Article Writing (Pub. 31-2)
	Writing on Assignment (Pub. 32-2)
	Advanced Composition I (Pub. 33-2)
	Advanced Composition II (Pub. 34-1 or 2)
	Publicity (Pub. 35-1)
	Advertising Copy Writing (Pub. 36-2)
	Magazine and Industrial Editing (Pub. 37-2)
	Children's Books and Periodicals (Pub. 38-1)
	Electives (12 sem. hrs.)

Program in Technical Writing and Publishing

In recent years a new professional job classification has appeared in industry and research—the technical writer. The increased complexity of modern electronic devices, for instance, has created the need for the person who can write the manuals which describe the nature, the operation, and the maintenance of these devices. A similar need exists for the person who can describe the processes and techniques employed in chemical engineering. The need is for the person with a solid grounding in science and technology, skill in writing, and a knowledge of the techniques of publication.

The program in Technical Writing and Publishing has been planned with the help of practicing technical writers. It is offered for those students whose interests and aptitudes parallel the interests and aptitudes of the technical

writer: a sound interest in science and an interest in writing and publishing. The program includes a four-year study of science plus the basic required courses in the School of Publication. The program described below is intended to prepare a student for employment in the electric-electronic field. Similar programs are available for students who wish to prepare for the chemical and biological fields.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND YEAR	General Physics (Phys. 11) English literature elective (4 sem. hrs.) Personal-Use Typewriting (Bus. 21-1) Calculus II, III (Math. 13-1, 20-2) Electives (10 or 12 sem. hrs.)
THIRD YEAR	General Chemistry (Chem. 11 or 12) Electricity and Magnetism (Phys. 21-2) or A.C. Circuits and Electronics I and II (Phys. 36-1, 37-2)* Journalism (Pub. 30-1) Copy and Proof (Pub. 40-1) Introduction to the Graphic Arts (Pub. 41) Graphic Arts Laboratory (Pub. 42-1 or 2) Electives (4 or 8 sem. hrs.)
FOURTH YEAR	Electricity and Magnetism (Phys. 21-2) or A. C. Circuits and Electronics I and II (Phys. 36-1, 37-2)* Editing and Publishing Techniques (Pub. 43) Editing and Publishing Project (Pub. 44-2) Graphic Design (Pub. 45-1) Publishing Laboratory (Pub. 46-1 or 2) Article Writing (Pub. 31-2) Electives (8 or 12 sem. hrs.)

Program in Graphic and Publishing Arts

Through an affiliation with the Boston Museum School, a department of the Boston Museum of Fine Arts, the School of Publication offers for a limited number of students a four-year program in the graphic and publishing arts, leading to the degree of Bachelor of Science.

This joint program is intended for students with artistic abilities and interests who wish to combine general education with art-school training to prepare themselves for art work in the field of publishing and advertising. The four-year program consists of the courses in general education required of all students in the School of Publication, and courses in the techniques of the repro-

* Offered in alternate years.

duction of printed material, taken at Simmons; and fundamental and specialized art courses, taken at the Boston Museum School. The program prepares students for employment as assistant art editors, advertising and layout artists, book designers, and illustrators. By combining as it does the educational facilities of Simmons College and the Boston Museum of Fine Arts, the joint program offers the opportunity for an unusually rich and varied educational experience. To take full advantage of these facilities, programs can be arranged for individual students to satisfy a wide variety of individual interests and abilities.

Admission to the joint program is limited. Students are admitted only after interviews with the Director of the School of Publication and the Head of the Boston Museum School, who will require the submission of drawings or other art work, in order to determine the student's artistic ability and her prospects of success in the work of the program. Students may be admitted to the program only at the beginning of the second year.

**FIRST
YEAR**

The arrangement of this program is described in the section entitled "The First-Year Class."

At Simmons College

**SECOND
YEAR**

English literature elective (8 sem. hrs.)
Social science, Philosophy, or Psychology (4 sem. hrs.)
Introduction to the Graphic Arts (Pub. 41)
Graphic Arts Laboratory (Pub. 42-1 or 2)

At the Boston Museum School

Drawing I (8 sem. hrs.)
Anatomy I (6 sem. hrs.)
Design Ib (2 sem. hrs.)

At Simmons College

**THIRD
YEAR**

English literature elective (8 sem. hrs.)
English composition (4 sem. hrs.)
Social science, Philosophy, or Psychology (8 sem. hrs.)
Editing and Publishing Techniques (Pub. 43)
Editing and Publishing Project (Pub. 44-2)
Graphic Design (Pub. 45-1)

At the Boston Museum School

Design I (4 sem. hrs.)

At Simmons College

**FOURTH
YEAR**

Publishing Laboratory (Pub. 46-1 or 2)
Elective (4 sem. hrs.)

At the Boston Museum School

24 sem. hrs. of advanced courses to be chosen in consultation with the Art Director of the program. Each student's program will contain such courses as the following:

- Commercial Art
- Book Design
- Mechanical Drawing
- Lettering
- Advanced Design
- Graphic Arts
- Perspective

II. ONE-YEAR PROGRAM FOR COLLEGE GRADUATES

This program offers to graduates of approved colleges whose undergraduate programs have been largely academic the opportunity for a year of concentrated study of the basic skills required in editing and publishing. Applicants are advised to consult the Registrar of the College regarding conditions of admission. The program of each student is planned in consultation with the Director of the School. Candidates who satisfactorily complete such a program are eligible for the Diploma in Publication.

A typical one-year program includes the following courses:

- Copy and Proof (Pub. 40-1)
- Introduction to the Graphic Arts (Pub. 41)
- Graphic Arts Laboratory (Pub. 42-1 *or* 2)
- Editing and Publishing Techniques (Pub. 43)
- Editing and Publishing Project (Pub. 44-2)
- Graphic Design (Pub. 45-1)
- Publishing Laboratory (Pub. 46-1 *or* 2)
- Typewriting for General Use (Bus. 35)
- Electives

School of Library Science

The School of Library Science offers a professional program for qualified college graduates, both men and women. This program is fully accredited by the Committee on Accreditation of the American Library Association, and leads to the degree of Master of Science on the completion of thirty-six semester hours of graduate courses, at least thirty-two semester hours of which must be taken at Simmons College.*

The library profession affords a broad range of opportunities in differing specializations and types of libraries—opportunities which vary from scholarship to administration, from service to children, young people, and adults, to work with research specialists. Accordingly, the School of Library Science, in its program, provides a full range of elective specializations to meet the interests of those who wish to work with children in schools and public libraries, in other areas of public, college, and university libraries, and in special libraries. Fundamentally librarianship deals with books and other materials which cover every subject and which the librarian must relate to people of all ages and degrees of education. This requires a considered awareness of the significance of the library in both the local community and society at large. It also requires ability to judge books in terms of the needs of the individuals who use them. Those who like people, as well as books, will find librarianship a rich and satisfying profession.

While a general education is an essential foundation for the study of library science, a subject interest that has been developed through adequate academic preparation frequently has direct application in the library field. The existence of numerous special libraries and special collections in general libraries offers attractive opportunities for those who have specialized in the social sciences, the physical and biological sciences, the fine arts, and other subject areas.

Candidates for admission to the graduate program must offer assurance of capacity for graduate work, as well as professional aptitude. Applicants must hold a baccalaureate degree in the liberal arts or sciences from a recognized college or university and are expected to have achieved at least a B— average in their undergraduate preparation. Students who have a major in a field which is appropriate for special library service, such as art, music, law, or business, but who do not have all the usual liberal arts prerequisites may be admitted, provided they evidence capacity for special librarianship and meet the appropriate language requirements. A reading knowledge of at least one foreign language is required of all students in the School. Whenever undergraduate education appears to be deficient, applicants may be required to take additional courses preliminary to candidacy for the degree of Master of Science.

The School welcomes applications for admission to the graduate program from those holding the baccalaureate degree from Simmons College in another

* The rules governing degree candidacy are stated on page 161.

professional field, provided that the undergraduate specialization is related to an appropriate area of library service. Preparation for graduate study in librarianship may occur within the context of several of the undergraduate schools of the College, particularly in the case of a student having a specialized career objective in the library field.

Application for admission to the graduate program is made on a form obtained from the Director of Students of the School of Library Science. A \$15 application fee, official transcripts of the college record and a statement of graduation, a satisfactory report of health on forms provided by the College, personal recommendations, and, whenever required, a personal interview with a representative of the School, complete the application for admission.

Applicants for the graduate program are urged to file their applications, with supporting documents, well in advance of the session in which they wish to begin study, in order to insure proper consideration of their credentials. *It should be noted* that applications cannot be received later than June 1 for the 1964 summer session, September 1 for the autumn 1964 session, and January 4 for the February 1965 session. Applications which are filed after the above deadlines will be set aside and considered for later academic sessions.

While it is usually desirable for those who wish to study on a full-time basis to enter the School either in the September semester or the summer session, full-time programs can also be arranged for those who wish to enter in February. Part-time students may enter in the September or February semester, or the summer session.

For the convenience of part-time students who are working in neighboring libraries, and continuing education students, classes are offered in the late afternoon, evenings, and on Saturday mornings, in addition to the regular schedule. Admission requirements and instructional standards are identical to those of the regular schedule. Information about off-hour courses currently offered is available upon request to the Director of Students of the School. Courses equivalent to the one-year program are also offered in a series of summer sessions to qualified men and women. The entire program may be completed in four to five summers or by a combination of summer and term-time courses.

The *Graduate Bulletin* of the School contains detailed information regarding admission and degree requirements, course offerings, financial aid, et cetera, and should be consulted by those contemplating graduate study in library science at Simmons College. Copies of the *Graduate Bulletin*, schedule of evening and Saturday classes, summer session announcement, and application forms may be obtained by contacting the Director of Students of the School of Library Science.

School of Social Science

The programs offered by the School of Social Science are designed to provide the student with (1) a broad general education, oriented toward the social sciences, and (2) either basic professional training in one of the areas of social science, or preparation for graduate study in the social sciences or education.

The School offers four basic programs, each leading to the degree of Bachelor of Science. These are: governmental affairs, economics, community work, and psychological measurements.

Each of these programs may be utilized as preparation for graduate study in the respective field of concentration or in one of the related social sciences. Students who have this objective should plan their programs carefully with the assistance of the Director and their adviser.

All students are required to fulfill a typewriting requirement which may be met by an appropriate course in secondary school or elsewhere or by *Business 21*.

Program in Governmental Affairs

The program in governmental affairs is designed to lead to employment in administration of Federal, state, and local government. In the senior year students generally take Federal Civil Service Entrance Examinations, and those of states or municipalities in which they are interested.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND	Economics (12 sem. hrs.)
THIRD	<i>Required:</i>
AND	Contemporary Economic Society (Econ. 20)
FOURTH	Elements of Statistics (Econ. 31-1)
YEARS	Government (28 sem. hrs.)
	<i>Required:</i>
	Classical and Early Modern Political Theory (Gov. 23-1) <i>or</i>
	Political Theory During the Last Two Centuries (Gov. 24-2)
	Government in the United States—Federal System (Gov. 21-1) <i>or</i>
	Government in the United States—Urban and State Politics (Gov. 22-2)
	Public Administration (Gov. 40-1) <i>or</i>
	Seminar in Public Administration (Gov. 41-2)
	History (8 sem. hrs.)
	Electives (48 sem. hrs.)

Program in Economics

The program in economics is designed as preparation for positions in government, financial institutions, and industry, involving analytical work of an economic nature, such as in the fields of prices, product or labor markets, and securities. Positions for which recent graduates have qualified have been in securities houses, insurance companies, market research and forecasting, and statistical work, among others.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND THIRD AND FOURTH YEARS	<p>Courses in economics should be selected in the light of the student's intellectual and vocational interests.</p> <p>Economics (36 sem. hrs.)</p> <p><i>Required:</i></p> <p>Contemporary Economic Society (Econ. 20)</p> <p>Elements of Statistics (Econ. 31-1)</p> <p>Economic and Social Statistics (Econ. 32-2)</p> <p>Electives from the following group (16 sem. hrs.):</p> <p>Government, History, Sociology, and certain courses in Mathematics and Business Administration</p> <p>Electives (44 sem. hrs.)</p>

Program in Community Work

The program in community work is designed as preparation for graduate schools of social work and as preparation for positions in the field of social welfare where only a baccalaureate degree is required for entrance.

Students who plan careers in professional social work should plan to do graduate study in that field. Those who plan to work in related fields or who plan to work between their periods of undergraduate and graduate study can plan their undergraduate programs accordingly. Recent graduates have been employed by the Red Cross, youth or recreation organizations, and public welfare agencies.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND THIRD AND FOURTH YEARS	<p>Economics (12 sem. hrs.)</p> <p><i>Required:</i></p> <p>Contemporary Economic Society (Econ. 20)</p> <p>Elements of Statistics (Econ. 31-1)</p> <p>Government (8 sem. hrs.)</p> <p>Sociology (16 sem. hrs.)</p> <p><i>Required:</i></p> <p>Introduction to Sociology (Soc. 20-1 or 2)</p> <p>Introduction to Fields of Social Work (Soc. 40-1)</p> <p>The Family (Soc. 31-2)</p>

History (8 sem. hrs.)
 Psychology (12 sem. hrs.)
 Electives (40 sem. hrs.)

Field work is required in this program and may be completed by approved participation in supervised volunteer service or in appropriate summer employment.

Programs in Psychological Measurements

The programs in psychological measurements are designed to prepare graduates for positions in guidance work, as test technicians, as research assistants in hospitals and clinics, or as research assistants in industry where human engineering problems are being studied.

*FIRST YEAR The arrangement of this program is described in the section entitled "The First-Year Class."

Program A *Specialization in Guidance and Psychometric Work*

SECOND PSYCHOLOGY (including Statistics) (28 sem. hrs.)
 THIRD Required:
 AND Introduction to Psychology (Psych. 20-1 or 2)
 FOURTH Child Psychology (Psych. 30-1 or 2) or
 YEARS The Psychology of Adjustment (Psych. 31-1 or 2)
 Social Psychology (Psych. 40-1 or 2)
 Principles of Psychological Measurement (Psych. 41-1)
 Seminar in Clinical Psychology (Psych. 42-2) or
 Personality Theory (Psych. 43-1 or 2)
 Elements of Statistics (Econ. 31-1)
 Economic and Social Statistics (Econ. 32-2)
 Sociology (8 sem. hrs.)
 Social Science and Philosophy (16 sem. hrs.)
 Electives (44 sem. hrs.)

Program B *Specialization in Hospital Clinical Research*

SECOND PSYCHOLOGY (including Statistics) (44 sem. hrs.)
 THIRD Required:
 AND Introduction to Psychology (Psych. 20-1 or 2)
 FOURTH Child Psychology (Psych. 30-1 or 2) or
 YEARS The Psychology of Adjustment (Psych. 31-1 or 2)
 Physiological Psychology (Psych. 32-2)
 Experimental Psychology (Psych. 34-1 or 2)
 Elements of Statistics (Econ. 31-1)
 Economic and Social Statistics (Econ. 32-2)
 Social Psychology (Psych. 40-1 or 2)
 Principles of Psychological Measurement (Psych. 41-1)
 Seminar in Clinical Psychology (Psych. 42-2) or
 Personality Theory (Psych. 43-1 or 2)
 The Human Nervous System (Biol. 25-1)
 Sociology (8 sem. hrs.)
 Electives (40 sem. hrs.)

* These programs assume the completion of 8 semester hours of mathematics and 8 semester hours of biology in the first year.

Program C Specialization in Industrial Human Factors Research

This program is especially suited for the student who wishes to combine psychology and mathematics.

SECOND	Psychology (including Statistics) (40 sem. hrs.)
THIRD	<i>Required:</i>
AND	Introduction to Psychology (Psych. 20-1 <i>or</i> 2)
FOURTH	Child Psychology (Psych. 30-1 <i>or</i> 2) <i>or</i>
YEARS	The Psychology of Adjustment (Psych. 31-1 <i>or</i> 2)
	Physiological Psychology (Psych. 32-2)
	Experimental Psychology (Psych. 34-1 <i>or</i> 2)
	Elements of Statistics (Econ. 31-1)
	Economic and Social Statistics (Econ. 32-2)
	Social Psychology (Psych. 40-1 <i>or</i> 2)
	Principles of Psychological Measurement (Psych. 41-1)
	Psychological Field Work (Psych. 50-1, 51-2)
	The Human Nervous System (Biol. 25-1)
	Mathematics (20 sem. hrs.)
	<i>Required:</i>
	Finite Mathematics (Math. 21-2)
	Linear Algebra (Math. 34-1)
	<i>Elected from the following group</i> (12 sem. hrs.):
	Analytic Geometry and Calculus III (Math. 20-1)
	Differential Equations (Math. 30-1)
	Probability and Statistics (Math. 31-2)
	Applied Mathematics (Math. 33-2)
	Complex Variables (Math. 35-2)
	Numerical Methods (Math. 41-2)
	Sociology (4 sem. hrs.)
	Electives (28 sem. hrs.)

The School of Social Science participates in the "Washington Semester" of the American University in Washington, D. C. Each year a limited number of qualified juniors may study government, public affairs, and international relations for one semester with a group of students selected from participating colleges all over the country. The program consists of a seminar, which meets weekly to question government officials and to discuss previous meetings; a project, begun before the Washington Semester, in the form of a supervised individual study utilizing the research facilities and personal contacts uniquely available in Washington; and two or three courses selected in advance to supplement the student's program at Simmons College. Ordinarily the student will go to American University in the first semester of her junior year; she must discuss plans for the Washington Semester with her adviser early in the sophomore year. This plan will particularly interest students who may wish to work in a government agency after graduation.

School of Education

1. FOUR-YEAR PROGRAMS

A. Programs in Preparation for Secondary School Teaching

The School of Education offers four-year undergraduate programs to prepare for secondary school teaching in the fields of English, French, Spanish, History and Social Studies, Chemistry, Biology, Physics, and Mathematics. The prescribed programs, when satisfactorily completed, will meet the requirements for certification of teachers in the Commonwealth of Massachusetts, and in most other states. Students who intend definitely to prepare for teaching in a state other than Massachusetts should consult the Director of the School to make certain that their programs will meet appropriate teacher certification standards.

The course requirements in the School of Education involve two parallel sequences of study. One of these is a prescribed program of course-work leading to a mastery of the subject-matter to be taught. The other is a sequence of study providing a sound professional preparation for teaching. The program as a whole is planned to accomplish an effective balance and interrelationship between mastery of content and proficiency in teaching. Students should understand that definite interest and aptitude in *both* of these respects are essential to success in the program.

In accordance with the twofold emphasis of the program in the School of Education, the Director will consult closely with the Chairmen of those Divisions in which the subject-matter concentration is being followed. The approval of the Chairman of the appropriate Division is required both for the prescribed programs and for any deviation from these.

Especially qualified students enrolled in the specializations in French or Spanish may receive credit for the satisfactory completion of a prescribed program in a duly recognized Junior Year Abroad program. Each individual program must have the advance approval of the appropriate faculty committee. No student can be considered for this privilege without the prior recommendation of the instructing staffs in both Modern Language and Education. Each arrangement must include provisions for completing eight semester hours of work in Education in summer school between the sophomore and junior years.

Because of limitations on necessary courses and facilities in teacher preparation it is not possible to accept upperclass transfers into the programs of the School of Education.

The programs in preparation for secondary school teaching are as follows:

FIRST YEAR

The arrangement of this program is described in the section entitled "The First-Year Class."

Specialization in the Secondary School Teaching of English

In addition to the required courses in English, the twenty-four semester hours of electives in English must include *English 33* and *English 34*; *two* courses from the following three groupings—Novel or Bible, Drama, and Poetry; and *two* courses devoted to Advanced Composition, Mythology, Greek and Latin Classics in Translation, Medieval Literature, Chaucer, the Renaissance, Criticism, the English language, advanced study of the Novel.

Other electives must include at least eight semester hours in history or other social studies, beyond *Social Studies 10*, and at least eight semester hours in foreign language at or above the intermediate level, a course taken in the first year being acceptable in satisfying this requirement.

SECOND YEAR	English Literature of the Nineteenth Century (Eng. 21 or 22) English electives (8 sem. hrs.) Introduction to Psychology (Psych. 20-1) Historical and Philosophical Backgrounds of Education (Educ. 20-2) Psychology of Adolescence (Psych. 33-2) Elective (4 sem. hrs.)
THIRD YEAR	American Writers (Eng. 20) or Special Studies in American Literature (Eng. 32) Shakespeare (Eng. 35-1) English elective (4 sem. hrs.) The Nature of Classroom Teaching: Secondary Education (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of English (Educ. 32-2) Seminar in Teaching Methods (Educ. 39-2) Electives (8 sem. hrs.)
FOURTH YEAR	English electives (12 sem. hrs.) Student Teaching (Educ. 40-1 or 2) School and Teacher in American Society: Secondary Education (Educ. 45-1 or 2) Electives (12 sem. hrs.)

*Specialization in the Secondary School Teaching of French**

Electives must include at least eight semester hours in a second foreign language, to which may be added the requirement of not more than eight semester hours of additional work in the same language, depending upon a proficiency test.

SECOND THIRD AND FOURTH YEARS	French (44 sem. hrs.) <i>Required:</i> Major French Writers (Fr. 31-1, 32-2) Three full year courses (24 sem. hrs.) selected from: The Age of Classicism (Fr. 41-1, 42-2)† The Age of Reason (Fr. 43-1, 44-2)† French Literature from the Revolution to the Third Republic (Fr. 45-1, 46-2)†
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*The prerequisite for French 31, 32 must have been met before the student may enter this program.

†Offered in alternate years.

Contemporary French Literature (Fr. 47-1, 48-2)*
 Three semester courses (12 sem. hrs.)† selected from:
 Spoken French (Fr. 33-1)
 Conversation and Composition (Fr. 34-1, 35-2)
 French Linguistics (Fr. 36-1)
 Stylistics (Fr. 37-2)
 Electives (24 sem. hrs.)

Other requirements should be met in the following order:

SECOND YEAR	Introduction to Psychology (Psych. 20-1) Historical and Philosophical Backgrounds of Education (Educ. 20-2) Psychology of Adolescence (Psych. 33-2)
THIRD YEAR	The Nature of Classroom Teaching: Secondary Educa- tion (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of Modern Language (Educ. 33-2) Seminar in Teaching Methods (Educ. 39-2)
FOURTH YEAR	Student Teaching (Educ. 40-1 or 2) School and Teacher in American Society: Secondary Education (Educ. 45-1 or 2)

Specialization in the Secondary School Teaching of Spanish

Electives must include at least eight semester hours in a second foreign language, to which may be added the requirement of not more than eight additional hours of work in the same language, depending upon a proficiency test.

SECOND YEAR	Twentieth Century Readings (Span. 25) or Literature of the Spanish People (Span. 31-1, 32-2) or Major Writers of Modern Spanish America (Span. 35-1, 36-2) Introduction to Psychology (Psych. 20-1) Historical and Philosophical Backgrounds of Education (Educ. 20-2) Psychology of Adolescence (Psych. 33-2) Electives (12 sem. hrs.)
THIRD YEAR	16 sem. hrs. in Spanish from the following: Literature of the Spanish People (Span. 31-1, 32-2) Major Writers of Modern Spanish America (Span. 35-1, 36-2) The Drama and Theatre in Spain (Span. 43-1) and Unamuno and Ortega y Gasset (Span. 46-2) The Nature of Classroom Teaching: Secondary Education (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of Modern Language (Educ. 33-2) Seminar in Teaching Methods (Educ. 39-2) Electives (8 sem. hrs.)

* Offered in alternate years.

† In this group the student should take the most advanced courses for which her subject matter adviser judges her to be qualified.

FOURTH YEAR	20 sem. hrs. in Spanish from the following: Major Writers of Modern Spanish America (Span. 35-1, 36-2) Types of Spanish Fiction (Span. 42-1) <i>and</i> Unamuno and Ortega y Gasset (Span. 46-2) The Drama and Theatre in Spain (Span. 43-1) <i>and</i> Epic and Lyric Poetry (Span. 44-2) Advanced Language and Style (Span. 47-2) Student Teaching (Educ. 40-1 <i>or</i> 2) School and Teacher in American Society: Secondary Edu- cation (Educ. 45-1 <i>or</i> 2) Elective (4 sem. hrs.)
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*Specialization in the Secondary School Teaching of History
and Social Studies**

The sixteen semester hours of history electives will be chosen in consultation with the subject-matter adviser to provide a concentration either in European history or in American history, or a comprehensive general survey of the field of history. If the concentration in European history is chosen, the history electives should be selected from: *History 24-1, History 29-2, History 35-2, History 36-1, and History 38-2*. For the concentration in American history, the history electives should be chosen from: *History 23-1, History 29-2, History 31-1, History 33-1, History 34-2, and History 37-2*. Early planning is essential because certain courses are offered only in alternate years.

Other electives must include eight semester hours in economics or sociology, and at least eight semester hours in English, a modern language, or a science; so that this credit, taken in conjunction with work completed in the first year, will provide some qualification for teaching in a second field.

SECOND YEAR	History of American Civilization (Hist. 21-1, 22-2) Government in the United States—Federal System (Gov. 21-1) <i>or</i> Government in the United States—Urban and State Politics (Gov. 22-2) Elective in Government (4 sem. hrs.) Introduction to Psychology (Psych. 20-1) Historical and Philosophical Backgrounds of Education (Educ. 20-2) Psychology of Adolescence (Psych. 33-2) Elective (4 sem. hrs.)
THIRD YEAR	Nineteenth Century Europe (Hist. 27-1) Twentieth Century Europe (Hist. 28-2) History electives (8 sem. hrs.) The Nature of Classroom Teaching: Secondary Education (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of History and Social Studies (Educ. 34-2) Seminar in Teaching Methods (Educ. 39-2) Electives (8 sem. hrs.)

*This program assumes completion in the first year of Social Studies 10 or an acceptable equivalent.

FOURTH YEAR	History electives (8 sem. hrs.)
	Student Teaching (Educ. 40-1 or 2)
	School and Teacher in American Society: Secondary Education (Educ. 45-1 or 2)
	Electives (16 sem. hrs.)

*Specialization in the Secondary School Teaching of Biology**

SECOND YEAR	Vertebrate Morphology I and II (Biol. 23-1, 24-2)
	Organic Chemistry (Chem. 20-1)
	Calculus I and Review Topics (Math. 10-1) or
	Calculus I (Math. 12-1)
	Introduction to Psychology (Psych. 20-1)
	Historical and Philosophical Backgrounds of Education (Educ. 20-2)
	Psychology of Adolescence (Psych. 33-2)
	Elective (4 sem. hrs.)
THIRD YEAR	Human Physiology (Biol. 34-2)
	Microbiology (Biol. 21-2)
	Analytical Chemistry (Chem. 25-2)†
	Elementary Physics (Phys. 10) or
	General Physics (Phys. 11)
	The Nature of Classroom Teaching: Secondary Education (Educ. 30-1)
	Curriculum and Methods in the Secondary School Teaching of Science and Mathematics (Educ. 35-2)
	Seminar in Teaching Methods (Educ. 39-2)
	Elective (4 sem. hrs.)
FOURTH YEAR	Biochemistry (Chem. 21-2)
	Experimental Biology (Biol. 40)
	Student Teaching (Educ. 40-1 or 2)
	School and Teacher in American Society: Secondary Education (Educ. 45-1 or 2)
	Electives (12 sem. hrs.)

Specialization in the Secondary School Teaching of Chemistry‡

SECOND YEAR	Organic Chemistry (Chem. 31)
	Calculus II (Math. 13-1)
	Calculus III (Math. 20-2)
	Introduction to Psychology (Psych. 20-1)
	Historical and Philosophical Backgrounds of Education (Educ. 20-2)
	Psychology of Adolescence (Psych. 33-2)
	Elective (4 sem. hrs.)

* This program assumes completion in the first year of Biology 10 and Chemistry 11 or 12.

† Students who have had Analytical Chemistry in their second year will take Organic Chemistry (Chem. 20) in their third year.

‡ This program assumes completion in the first year of Chemistry 11 or 12 and the equivalent of Mathematics 10, 11, or 12, 13.

THIRD YEAR	Analytical Chemistry (Chem. 25-2)* General Biology (Biol. 10) General Physics (Phys. 11) The Nature of Classroom Teaching: Secondary Education (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of Science and Mathematics (Educ. 35-2) Seminar in Teaching Methods (Educ. 39-2) Elective (4 sem. hrs.)
FOURTH YEAR	Physical Chemistry (Chem. 41) Student Teaching (Educ. 40-1 or 2) School and Teacher in American Society: Secondary Education (Educ. 45-1 or 2) Electives (16 sem. hrs.)

Specialization in the Secondary School Teaching of Physics†

SECOND YEAR	Mechanics (Phys. 23-1) Electricity and Magnetism (Phys. 21-2) Calculus II (Math. 13-1) Calculus III (Math. 20-2) Introduction to Psychology (Psych. 20-1) Historical and Philosophical Backgrounds of Education (Educ. 20-2) Psychology of Adolescence (Psych. 33-2) Elective (4 sem. hrs.)
THIRD YEAR	A.C. Circuits and Electronics I (Phys. 36-1) or Atomic Physics (Phys. 42-1) A.C. Circuits and Electronics II (Phys. 37-2) or Nuclear Physics (Phys. 43-2) Differential Equations (Math. 30-1) General Chemistry (Chem. 11 or 12) The Nature of Classroom Teaching: Secondary Education (Educ. 30-1) Curriculum and Methods in the Secondary School Teaching of Science and Mathematics (Educ. 35-2) Seminar in Teaching Methods (Educ. 39-2) Elective (4 sem. hrs.)
FOURTH YEAR	Atomic Physics (Phys. 42-1) or A.C. Circuits and Electronics I (Phys. 36-1) Nuclear Physics (Phys. 43-2) or A.C. Circuits and Electronics II (Phys. 37-2) Student Teaching (Educ. 40-1 or 2) School and Teacher in American Society: Secondary Education (Educ. 45-1 or 2) Electives (16 sem. hrs.)

*Students who have had Analytical Chemistry in the second year will take Organic Chemistry (Chem. 31) in their third year.

†This program assumes completion in the first year of Physics 10 or 11 and the equivalent of Mathematics 10, 11, or 12, 13.

*Specialization in the Secondary School Teaching of Mathematics**

In addition to the required mathematics courses that appear in the following program, the student will be expected to take among her electives additional courses in mathematics or related fields, such as laboratory science, economics, and logic. This part of the program must be planned in consultation with the Chairman of the Department of Mathematics and the Director of the School of Education.

SECOND YEAR	Calculus III (Math. 20-1)
	Finite Mathematics (Math. 21-2)
	General Physics (Phys. 11)
	Introduction to Psychology (Psych. 20-1)
	Historical and Philosophical Backgrounds of Education (Educ. 20-2)
	Psychology of Adolescence (Psych. 33-2)
	Elective (4 sem. hrs.)
THIRD YEAR	Modern Geometry (Math. 32-1)
	Probability and Statistics (Math. 31-2)
	Seminar in Mathematics
	The Nature of Classroom Teaching: Secondary Education (Educ. 30-1)
	Curriculum and Methods in the Secondary School Teaching of Mathematics and Science (Educ. 35-2)
	Seminar in Teaching Methods (Educ. 39-2)
	Electives (16 sem. hrs.)
FOURTH YEAR	Introductory Modern Algebra (Math. 42-1)
	Seminar in Mathematics
	Student Teaching (Educ. 40-1 or 2)
	School and Teacher in American Society: Secondary Education (Educ. 45-1 or 2)
	Electives (20 sem. hrs.)

B. Programs in Preparation for Elementary School Teaching

The four-year undergraduate programs offered by the School of Education to prepare for elementary school teaching require the student to concentrate in one of the following core areas: English-Social Studies; Social Studies-English; Mathematics-Science; Science-Mathematics. The prescribed programs, when satisfactorily completed, will meet the requirements for certification in the Commonwealth of Massachusetts and in most other states. Students who intend definitely to prepare for teaching in a state other than Massachusetts should consult the Director of the School to make certain that their programs will meet appropriate teacher certification standards.

The course requirements in the elementary school teaching programs are intended to give the student a strong academic background in a core area as well as a sequence of study providing a sound professional preparation for

* This program assumes completion in the first year of the equivalent of Mathematics 10, 11, or 12, 13.

teaching. The program as a whole is planned to accomplish an effective balance between mastery of content and proficiency in teaching. Students should understand that definite interest and aptitude in both of these respects are essential to success in the program.

In accordance with the twofold emphasis of the program, the Director of the School of Education will consult closely with the Chairmen of those Divisions in which the subject-matter concentration is being followed. The approval of the Chairman of the appropriate Division is required both for the prescribed programs and for any deviation from them.

Because of limitations on necessary courses and facilities in teacher preparation, it is not possible to accept upperclass transfers into the programs of the School of Education.

The programs in preparation for elementary school teaching are as follows:

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
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The English—Social Studies Concentration

SECOND	English (24 sem. hrs.)
THIRD	<i>Required:</i>
AND	American Writers (Eng. 20)
FOURTH	Nineteenth Century English and Continental Poetry
YEARS	(Comp. Lit. 80)
	English Language—Its Growth and Use (Eng. 28)
	The additional eight semester hours in English must include two courses from the following three groupings: poetry, drama, and novel.
	History (16 sem. hrs.)
	<i>Required:</i>
	History of American Civilization (Hist. 21, 22)
	The additional eight semester hours in history should include one course in European history and one course in government or sociology.
	Psychology (8 sem. hrs.)
	<i>Required:</i>
	Introduction to Psychology (Psych. 20),
	Child Psychology (Psych. 30) <i>or</i> Child and Adolescent Growth and Development (H. Ec. 35)
	Education (24 sem. hrs.)
	<i>Required:</i>
	Historical and Philosophical Backgrounds of Education (Educ. 20—1)
	The Nature of Classroom Teaching: Elementary Education (Educ. 22—2)
	Curriculum and Methods in the Elementary School
	Teaching of Reading and Language Arts (Educ. 36—1)
	Curriculum and Methods in the Elementary School
	Teaching of Social Studies, Mathematics, and Science (Educ. 37—2)
	Student Teaching (Educ. 41—1)

School and Teacher in American Society: Elementary Education (Educ. 46-1)

Electives (24 sem. hrs.)

*The Social Studies—English Concentration**

SECOND	Social Studies (24 sem. hrs.)
THIRD	<i>Required:</i>
AND	Introduction to Sociology (Soc. 20)
FOURTH	History of American Civilization (Hist. 21, 22)
YEARS	Twelve semester hours of restricted electives in courses offered in the Division of Social Science.

English (16 sem. hrs.)

Required:

English Language—Its Growth and Use (Eng. 28)

Nineteenth Century English and Continental Poetry (Comp. Lit. 80)

Eight semester hours of restricted electives to be chosen from the following areas: American literature, drama, and novel.

Psychology (8 sem. hrs.)

Required:

Introduction to Psychology (Psych. 20)

Child Psychology (Psych. 30) *or* Child and Adolescent Growth and Development (H. Ec. 35)

Education (24 sem. hrs.)

Required:

Historical and Philosophical Backgrounds of Education (Educ. 20-1)

The Nature of Classroom Teaching: Elementary Education (Educ. 22-2)

Curriculum and Methods in the Elementary School Teaching of Reading and Language Arts (Educ. 36-1)

Curriculum and Methods in the Elementary School Teaching of Social Studies, Mathematics, and Science (Educ. 37-2)

Student Teaching (Educ. 41-1)

School and Teacher in American Society: Elementary Education (Educ. 46-1)

Electives (24 sem. hrs.)

The Mathematics—Science Concentration†

In addition to the required mathematics courses that appear in the following program, the student is expected to take among her electives additional courses in mathematics or related fields. This part of her program must be planned in consultation with the Chairman of the Department of Mathematics.

*This program assumes completion in the first year of Social Studies 10 or an acceptable equivalent.

† This program assumes completion of Mathematics 10, 11 or 12, 13 in the first year. If such is not the case, the program should be planned in consultation with the Chairman of the Department of Mathematics.

SECOND	Mathematics and Science (36 sem. hrs.)
THIRD	<i>Required:</i>
AND	Finite Mathematics (Math. 21)
FOURTH	Modern Geometry (Math. 32)
YEARS	Introduction to Modern Algebra (Math. 40)
	General Biology (Biol. 10)
	General Chemistry (Chem. 11 <i>or</i> 12) <i>or</i> Elementary
	Physics (Phys. 10) <i>or</i> General Physics (Phys. 11)
	Psychology (8 sem. hrs.)
	<i>Required:</i>
	Introduction to Psychology (Psych. 20)
	Child Psychology (Psych. 30) <i>or</i> Child and Adolescent
	Growth and Development (H. Ec. 35)
	Education (24 sem. hrs.)
	<i>Required:</i>
	Historical and Philosophical Backgrounds of Education
	(Educ. 20-1)
	Nature of Classroom Teaching: Elementary Education
	(Educ. 22-2)
	Curriculum and Methods in the Elementary School
	Teaching of Reading and Language Arts (Educ.
	36-1)
	Curriculum and Methods in the Elementary School
	Teaching of Social Studies, Mathematics, and Science
	(Educ. 37-2)
	Student Teaching (Educ. 41-1)
	School and Teacher in American Society: Elementary
	Education (Educ. 46-1)
	Electives (28 sem. hrs.)

The Science—Mathematics Concentration

This program follows generally the plan of the Mathematics—Science Concentration except that the major emphasis is on one of the following sciences: biology, chemistry, or physics. The sequence of required courses in each science concentration will be determined by the appropriate department and the School of Education.

C. Pregraduate Program in the Liberal Arts

The program in the liberal arts leading to the Bachelor of Arts degree is limited to students intending to enter graduate school and judged by the Director of the School of Education to be capable of pursuing such a program. The student admitted to the pregraduate program normally elects to take honors if an honors program is offered in the area of her concentration. To qualify for graduation in the pregraduate program the student must pass a comprehensive examination during the second semester of her senior year and must satisfactorily complete a senior thesis in her field of concentration. Thesis topics and completed theses must be approved by a board of thesis advisers appointed by the Director of the School of Education. At the present time programs are of-

ferred only in the following areas: English, Spanish, French, History, Government, Economics, and Psychology.

The individual programs are as follows:

FIRST	The arrangement of this program is described in the section
YEAR	entitled "The First-Year Class."

Pregraduate Program in English

SECOND	44 sem. hrs. in English
THIRD	<i>Required:</i>
AND	American literature (Eng. 20 or 32)
FOURTH	Nineteenth Century English literature (Eng. 21 or 22)
YEARS	The English Novel (Eng. 36-2)
	An intensive course in poetry (Eng. 39-2 or 42-1)
	Shakespeare (Eng. 35-1)
	English Literature and Society in the Age of Donne and Milton (Eng. 33-2)
	English Literature and Society in the Age of Enlightenment (Eng. 34-1)
	English Language—Its Growth and Use (Eng. 28-2) or Chaucer (Eng. 45-1) or Comparative Literature (4 sem. hrs.)
	Directed Study: Senior Thesis (Eng. 65-2)
	PLUS a comprehensive examination in the final year
	16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level)
	20 sem. hrs. to be distributed among the following: a second or third foreign language, philosophy, psychology, history or government (according to the graduate curriculum for which the student is preparing and according to the graduate record examination she must take)
	16 sem. hrs. in electives

Pregraduate Programs in French and Spanish

SECOND	44 sem. hrs. of French or Spanish required, <i>above</i> the elementary level, including <i>Directed Study: Senior Thesis</i> (Fr. 65-2 or Span. 65-2), PLUS a comprehensive examination in the major language and literature in the final year
THIRD	16 sem. hrs. in a second foreign language
AND	20 sem. hrs. to be distributed among the following: a third foreign language, English, comparative literature, history or government, philosophy (according to the graduate curriculum for which the student is preparing and according to the graduate record examination she must take)
FOURTH	16 sem. hrs. in electives
YEARS	

NOTE: If the student as a freshman completes a French or Spanish course above the elementary level (Fr. 10 or Span. 10), this completion may free her from 8 sem. hrs.

of advanced French or Spanish, *but* these 8 sem. hrs. *must* be devoted to courses in a second or third foreign language. If the student as a freshman completes a 30 course in her major language, she may, by consent, substitute for courses in her major language *up* to 16 sem. hrs. in a second or third foreign language.

Pregraduate Program in Psychology

SECOND	44 sem. hrs. in Psychology
THIRD	<i>Required:</i>
AND	Introduction to Psychology (Psych. 20—1 <i>or</i> 2)
FOURTH	Two of the following three:
YEARS	Child Psychology (Psych. 30—1 <i>or</i> 2)
	The Psychology of Adjustment (Psych. 31—1 <i>or</i> 2)
	The Psychology of Adolescence (Psych. 33—2)
	Physiological Psychology (Psych. 32—2)
	Psychological Statistics
	Experimental Psychology (Psych. 34—1 <i>or</i> 2)
	Social Psychology (Psych. 40—1 <i>or</i> 2)
	Principles of Psychological Measurement (Psych. 41—1)
	Seminar in Clinical Psychology (Psych. 42—2) <i>or</i>
	Personality Theory (Psych. 43—1 <i>or</i> 2)
	Directed Study: Senior Thesis (Psych. 65—2)
	PLUS a comprehensive examination in the final year
	16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level)
	Introduction to Sociology (Soc. 20—1 <i>or</i> 2)
	The Human Nervous System (Biol. 25—1)
	12 sem. hrs. to be chosen from sociology, biology, or mathematics (according to the graduate curriculum for which the student is preparing and according to the graduate record examination she must take)
	16 sem. hrs. in electives

Pregraduate Program in History

SECOND	44 sem. hrs. in History
THIRD	<i>Required:</i>
AND	The Development of Contemporary Society
FOURTH	(Soc. St. 10)*
YEARS	Ancient History (Hist. 29—2)
	Historiography (Hist. 61—1)
	Nineteenth Century Europe (Hist. 27—1)
	Twentieth Century Europe (Hist. 28—2)
	History of American Civilization (Hist. 21—1, 22—2)
	American <i>or</i> European History (8 sem. hrs.)
	Directed Study: Senior Thesis (Hist. 65—2)
	PLUS a comprehensive examination in the final year

* If not completed in the freshman year.

- 16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level)
- 12 sem. hrs. within the Division of Social Studies (other than history), according to the graduate curriculum for which the student is preparing and according to the graduate record examination she must take
- 24 sem. hrs. in electives

NOTE: At least 12 sem. hrs. should be taken in courses in *one* of the following subject areas: government, economics, sociology, psychology, philosophy, or literature.

Pregraduate Program in Government

- SECOND
THIRD
AND
FOURTH
YEARS
- 40 sem. hrs. in Government
- Required:*
- Classical and Early Modern Political Theory
(Gov. 23-1)
- Political Theory During the Last Two Centuries
(Gov. 24-2)
- Government in the United States—Federal System
(Gov. 21-1) *or*
- Government in the United States—Urban and State Politics (Gov. 22-2)
- Governments in the Modern World—European
(Gov. 30-1) *or*
- Governments in the Modern World—Asian and African
(Gov. 31-2)
- International Relations (Gov. 32-2) *or*
- American Foreign Policy (Hist. 31-1)
- Reading and Research (Gov. 43-1 *or* 2)
- Directed Study: Senior Thesis (Gov. 65-2)
- PLUS a comprehensive examination in the final year
- 16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level)
- Contemporary Economic Society (Econ. 20)
- Elements of Statistics (Econ. 31-1)
- Introduction to Sociology (Soc. 20-1 *or* 2)
- Introduction to Psychology (Psych. 20-1 *or* 2)
- 20 sem. hrs. in electives

Pregraduate Program in Economics

- SECOND
THIRD
AND
FOURTH
YEARS
- 40 sem. hrs. in Economics
- Required:*
- Contemporary Economic Society (Econ. 20)
- Elements of Statistics (Econ. 31-1)
- Economic and Social Statistics (Econ. 32-2)
- Money and Banking (Econ. 35-2)
- Intermediate Economic Theory (Econ. 41-2)

Directed Study: Senior Thesis (Econ. 65-2)

PLUS a comprehensive examination in the final year

16 sem. hrs. in foreign language (part of which may be completed in the first year and at least 8 sem. hrs. of which must be above the intermediate level) except when, in the opinion of the Director, 8 sem. hrs. of mathematics or statistics may serve the student better

20 sem. hrs. to be chosen from the following: history, government, sociology, mathematics (according to the graduate curriculum for which the student is preparing). At least 12 of these 24 sem. hrs. must be in one of the aforementioned subjects.

20 sem. hrs. in electives

II. PROGRAM FOR COLLEGE GRADUATES

During the summer of 1964, institutes for high school teachers of chemistry, science, mathematics, and physics, supported by grants from the National Science Foundation, will be offered. To participants who enroll for credit and pass the course(s) with a satisfactory grade, graduate academic credit will be granted in the Simmons School of Education.*

* The rules governing degree candidacy are stated on page 161.

School of Social Work

The School of Social Work offers a two-year graduate program preparing qualified men and women for the professional practice of social work, with particular competence in the application of the social case work method. The School aims to produce graduates who possess the knowledge, skills, and philosophy of social work, integrated and balanced in such a way as to enable them to function successfully in beginning social work positions and to continue to grow in ability and responsibility in future practice.

The School program includes learnings acquired through both classroom and field work instruction in Human Growth and Behavior, Social Services, Social Work Methods, and Social Work Practice. Such learnings are derived from social work itself and from the related fields of medicine, psychiatry, and the social sciences. Emphasis in both years is placed on the values system of social work, the conceptual basis for social work practice, and the various methods social workers use in rendering services to people. Classroom content is reinforced, supplemented, and tested out through the student's concurrent experience in carrying out social case work responsibilities in community social agencies and institutions selected as training centers.

The School, in cooperation with the Placement Office of Simmons College, assists in the placement of its graduates.

Admission. The admission policy of the School is based on the following requirements:

1. Graduation from an accredited college.
2. Undergraduate work in the social sciences designed to provide applicants with some familiarity with American society and its institutions and some knowledge of human beings and their behavior.
3. Evidence of the applicant's intellectual capacity to carry classroom work at a graduate level.
4. Evidence of the applicant's personal qualifications for social work. Such evidence is expected to indicate (a) that the applicant has explored the field of social work and social work education with some persistence, intelligence, discrimination, and satisfaction; and (b) that the applicant is able to relate successfully to other people.

Degree. Two full academic years in residence are required for the Master of Science degree, unless the student has satisfactorily completed the first year in a school of social work which is a member of the Council on Social Work Education. The fulfillment of all requirements for the degree of Master of Science must demonstrate the candidate's ability to meet a high professional standard. (See also the section on page 161 entitled "The Degree of Master of Science.")

A catalogue giving more detailed information may be obtained by writing to the Director, Simmons College School of Social Work, 51 Commonwealth Avenue, Boston 02116.

School of Business Administration

The School of Business Administration was one of the first schools to offer courses of instruction when the College was opened in 1902. At that time the School was called the School of Secretarial Studies. Since then it has undergone the following name changes: School of Business and Secretarial Studies, School of Business, and School of Business Administration. As these changes suggest, the School has kept pace with the evolving opportunities for women in the field of business.

The primary purpose of the School is to prepare students who wish to make a career of business for eventual positions of management, either through employment by professional firms or through ownership of their own businesses. In addition to offering a broad general education, the programs are designed to provide understanding of the environment of business; a knowledge of business organization; an insight into functional problems of business management; acquaintance with a specialized field of business; and development of secretarial skills in those areas where these skills are essential. Excellent training is also available for the women who wish interim, part-time, or permanent employment in a challenging and responsible executive secretarial position. There is always a great demand for this type of employee with a strong background of academic and professional education.

Graduates of the School are now occupying interesting administrative positions in many types of business concerns, government agencies, hospitals, educational institutions, professional offices. Some are engaged as accountants, office managers, statisticians and analysts, executive secretaries, property managers, business educators, and specialists in the fields of personnel and advertising. Graduates have gone to positions as bilingual secretaries in all parts of the world. Others have established and creditably maintained their own businesses.

I. FOUR-YEAR PROGRAMS

Opportunities for advancement and the chance to fill the jobs at top levels of business come frequently to women who are college graduates with a broad general education combined with professional training in the business fields. Since Simmons College is the only four-year college in the country which has a School of Business Administration concerned exclusively with education of women for business, the School is in an excellent position to prepare women for top-level positions in the business world. The training is supplemented by many actual contacts with businesses and businessmen. These experiences provide opportunities for the students to observe firsthand those theories and skills learned in the classroom. A field trip to New York in the second semester of the senior year provides an opportunity for students to observe the New York Stock Exchange and other business institutions not accessible in Boston.

A student in the School of Business Administration may specialize in any of the following fields: advertising, executive medical secretarial, financial administration, international business, personnel administration, office administration, or retailing.* Through co-operation with other schools in the College, the School of Business Administration is able to arrange programs which will provide specialization in still other fields.

The descriptions below will assist students in selecting their area of special interest. All specializations provide for a number of electives.

Advertising

The field of advertising offers opportunity for creativity and artistic talent, combined with effective salesmanship and management ability. Positions include advertising manager, account executive, media director and space buyer, production manager, promotion manager, and publicity director. Because women entering the field usually begin as secretaries in advertising agencies or in advertising departments of large companies, students are encouraged, but not required, to take shorthand. Another related field offering opportunities for high-level employment is market research. This is a relatively new field which is growing rapidly and is fast becoming a most interesting high-level field of work for women.

Executive Medical Secretarial

Women who wish to be associated with the field of medicine in a business capacity should seriously consider the profession of executive medical secretary. Executive medical secretaries are employed in private offices, hospitals, clinics and research laboratories. This profession offers an excellent avenue for satisfying a humanitarian desire while using business talents and interests. Many graduates have moved into responsible positions of hospital administration.

Financial Administration

The many challenging positions in the field of finance are becoming increasingly available to women. College graduates can now find interesting placement in banks, investment firms, insurance companies, and the finance departments of businesses. The specialization offers, in addition to the high-level professional training, a strong background in general courses.

International Business

The growth in the nation's international business during the past few years has broadened the professional horizons in the areas of foreign trade. This has been a result of the newer global concept with which many companies view their operations.

*See page 77.

The students in the international business specialization are trained also for careers in government in the United States and abroad as bilingual secretaries in such organizations as the State Department and the Central Intelligence Agency. Both domestic and overseas placements are numerous.

Students in the international business specialization acquire speaking and writing fluency in at least one foreign language.

Office Administration

The office administration specialization is designed to meet the needs of those persons interested in coordinating, controlling, and managing office activities of all types. The program will also be elected by students who prefer a general curriculum in business management. This provides a strong background of business information which enables the graduate to accept a position of responsibility in any field of business. The office administration specialization also offers training for the most responsible executive secretarial positions.

Personnel Administration

The field of personnel administration has expanded so much in recent years that it now offers a limitless variety of interesting positions. Specialists in the personnel management area may be involved with procurement, placement, and/or training of employees. They may administer employee benefit programs, such as group insurance, retirement, loan funds, recreation, and so forth. Also included in employee relations responsibilities are personnel rating, job analysis, job evaluation, and collective bargaining. Few vocations offer the variety of experiences that characterize personnel management. Students are encouraged, though not required, to take shorthand as an effective way of entering the field.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND YEAR	Foundations of Business Administration (Bus. 24-1) Contemporary Economic Society (Econ. 20) Principles of Accounting (Bus. 20-1) Business Lectures * Additional course requirements (16 sem. hrs.)† in various specializations are as follows:

Advertising, Office Administration, Personnel Administration

Electives (16 sem. hrs.)

* Students attend eight lectures during enrollment in the School of Business Administration. Four are offered each year.

† Students may take Business 38 during the second year.

*Executive Medical Secretarial**

Human Physiology (Biol. 34-2)
Electives (12 sem. hrs.)

Financial Administration

Intermediate Accounting (Bus. 25-2)
Electives (12 sem. hrs.)

International Business

Foreign language (8 sem. hrs.)
Electives (8 sem. hrs.)

THIRD
YEAR

Analysis of Business Data (Bus. 36-1)
Business Communications (Bus. 34-1)
Legal Aspects of Business (Bus. 38-2)†
Business Lectures‡
Additional course requirements (20 sem. hrs.) in various specializations are as follows:

Advertising

Advertising Policies and Methods (Bus. 50-2)
Elementary Typewriting (Bus. 31b)
Marketing (Bus. 52-1)
Electives (8 sem. hrs.)
Recommended:
Elementary Shorthand (Bus. 31a)

Executive Medical Secretarial

Elementary Shorthand and Typewriting (Bus. 31)
Human Anatomy (Biol. 22-1)
Electives (8 sem. hrs.)

Financial Administration

Elementary Typewriting (Bus. 31b) or typewriting ability
The Stock Market (Bus. 58-1)
Electives (12 or 16 sem. hrs.)

* This program assumes completion of the biology prerequisite in the first year.

† May be taken during sophomore, junior, or senior year.

‡ Students attend eight lectures during enrollment in the School of Business Administration. Four are offered each year.

International Business

Elementary Shorthand and Typewriting (Bus. 31)
 Foreign language (8 sem. hrs.)
 International Economics (Econ. 39-1)* or
 Elective (4 sem. hrs.)

Office Administration

Office Administration (Bus. 69-2)
 Elementary Shorthand and Typewriting (Bus. 31)
 Personnel Principles and Policies (Bus. 56-2)
 Elective (4 sem. hrs.)

Personnel Administration

Elementary Typewriting (Bus. 31b)
 Personnel Principles and Policies (Bus. 56-2)
 Electives (12 sem. hrs.)
Recommended:
 Elementary Shorthand (Bus. 31a)

FOURTH
YEAR

Office Procedures (Bus. 42-2)†
 Modern Business Management (Bus. 45-2)
 Business Lectures‡
 Additional course requirements (24 or 28 sem. hrs.) in various specializations are as follows:

Advertising

Marketing Research (Bus. 63-1)
 Electives (20 sem. hrs.)
Recommended:
 Advanced Shorthand and Typewriting (Bus. 41-1)

Executive Medical Secretarial

Advanced Shorthand and Typewriting (Bus. 41-1)
 Medical Terminology and Transcription (Bus. 46-2)
 Electives (16 sem. hrs.)

Financial Administration

Financial Administration (Bus. 61-1)
 Seminar in Financial Administration (Bus. 62-2)
 Electives (20 sem. hrs.)

* Offered in alternate years.

† Not required of Financial Administration students.

‡ Students attend eight lectures during enrollment in the School of Business Administration. Four are offered each year.

International Business

Advanced Shorthand and Typewriting (Bus. 41-1)
Foreign language (8 sem. hrs.)^{*}
International Economics (Econ. 39-1)[†]
Electives (8 or 12 sem. hrs.)

Office Administration

Advanced Shorthand and Typewriting (Bus. 41-1)
Electives (20 sem. hrs.)

Personnel Administration

Seminar in Personnel Administration (Bus. 66-1)
Electives (20 sem. hrs.)

Recommended:

Advanced Shorthand and Typewriting (Bus. 41-1)
Labor and Industrial Relations (Econ. 36-1)

PRINCE SCHOOL PROGRAM IN RETAILING

The Prince School Program in Retailing at Simmons College is the outgrowth of a long and interesting educational development started by Mrs. Lucinda Wyman Prince, a dynamic woman who devoted a great part of her life to retailing education. The first Prince School was established in 1905 as a department of the Women's Educational and Industrial Union, and the program was designed to improve the training of saleswomen.

This course proved so successful in broadening the outlook and increasing the efficiency of saleswomen that another course was added to train teachers to work in educational programs within retail stores. These programs were of such great benefit to the stores that in 1918, the National Retail Dry Goods Association, now called National Retail Merchants Association, helped Mrs. Prince reorganize the school as an independent enterprise under her wise leadership. Four years later the Prince School became affiliated with Simmons College and Mrs. Prince became the Director, serving in this position until 1935.

Through the years the Prince School has kept abreast of the times through a constant broadening of the curriculum to include those areas in retailing which offer excellent opportunities for women. The School merged with the School of Business Administration in 1962 as a further step toward increasing the educational offering in retailing and related areas.

Today the Prince School Program in Retailing prepares its students for employment as executives in department stores, specialty stores, and other retail organizations; and also for the wide variety of other fields for which a background in distribution procedures, supervisory skills, and effective techniques of organizing and presenting data is a useful preparation.

^{*} Not required if twenty-four semester hours of foreign language have been completed.

[†] Offered in alternate years.

Specifically the objectives of the program are:

1. To develop an understanding of the business environment of today—with particular reference to retail stores and related organizations—and the ability and attitudes necessary to fit into that environment.
2. To provide skill in dealing with people and working efficiently with groups to a common purpose.
3. To offer specialized training in retailing and related fields as a basis for employment in one of the many areas of distribution.

Emphasis is on specialized training for executive positions in retailing because this field continues to present the kinds of opportunities and experience that are valuable for the young woman who wishes a career as an executive in a challenging and dynamic business upon graduation from college. The range of positions available to college graduates in stores is constantly broadening, and undoubtedly will continue to do so.

Specifically, the positions for which Prince students are being prepared include these two broad categories:

1. *Retailing.* This includes training director, employment manager, personnel director, fashion coordinator, buyer, merchandise manager, and branch store manager for department and specialty stores, as well as owner and manager of small retail shops. Frequently the preparation for these positions includes preliminary training as a member of an executive training group.

2. *Areas related to retailing in which a knowledge of retailing principles and practices is useful.* There are positions in wholesaling and manufacturing that relate closely to retailing. These jobs, for which a retail background is highly useful, include: buyer in a New York buying office, fashion director for an apparel manufacturer, sales representative for a wholesaler, reporter for a retail trade publication, and editorial assistant for a fashion magazine. There are many other jobs involving the use of skills developed in the study of retailing. Some of these call for the use of many of the same supervisory skills learned in the study of retailing; others involve the kinds of customer contact similar in many ways to retailing.

The program takes advantage of the many opportunities its location in Boston provides for close contact with business organizations that offer useful types of experience for students. The result is that in addition to the usual types of college instruction, the students take frequent field trips to stores and manufacturing plants in the Boston area, and numerous executives from stores and other organizations visit classes to teach students the techniques they have found effective in their own work. A field trip to the New York market is taken by seniors and graduate students each spring to familiarize them with the practical operations in the apparel fields. Students participate in a six-week field work experience during the first semester of their senior year. During this time they hold challenging positions of responsibility in department stores in many cities.

The four-year undergraduate program, which leads to the degree of Bachelor of Science, provides a broad liberal arts background along with professional training in general business administration and in retailing. The first year is

common to all Simmons College students, and the emphasis is on academic subjects. During the second year students begin the study of business administration, but continue to have much of their course work in the field of general education. Specialized courses in retailing are introduced in the junior year and are combined with academic studies and business administration courses throughout the remainder of the work at Simmons College.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
SECOND YEAR	Foundations of Business Administration (Bus. 24-1) Contemporary Economic Society (Econ. 20) Personal-Use Typewriting (Bus. 21-1) <i>or</i> <i>typewriting ability</i> Business Communications (Bus. 34-1) Business Lectures* Electives (14 or 16 sem. hrs.) <i>Recommended:</i> Design (H. Ec. 22-1)
THIRD YEAR	Analysis of Business Data (Bus. 36-1) Marketing (Bus. 52-1) Retailing Principles and Practices (Bus. 55-2) Business Lectures* Electives (20 sem. hrs.) <i>Recommended:</i> Textiles (H. Ec. 21-2)
FOURTH YEAR	Retail Merchandising (Bus. 59) Personnel Principles and Policies (Bus. 56-1) Modern Business Management (Bus. 45-2) Retailing Seminar (Bus. 65-1) Marketing Research (Bus. 63-1) Business Lectures* Electives (8 sem. hrs.)

II. PROGRAM FOR COLLEGE GRADUATES

This one-year program provides for a concentrated study in business administration for graduates of approved colleges whose education has been chiefly academic, and leads to the Diploma in Business Administration. The program of each student is planned in consultation with the Director of the School. All of the courses offered in business administration are available to graduate students except advanced courses in which prerequisites are established. A total of thirty-two semester hours of work is required, of which twenty-four semester

* Students attend eight lectures during enrollment in the School of Business Administration. Four are offered each year.

hours must be taken in the field of business administration. A typical program would include the following courses:

Foundations of Business Administration (Bus. 24-1)
Analysis of Business Data (Bus. 36-1)
Legal Aspects of Business (Bus. 38-2)
Business Communications (Bus. 34-1)
Elementary Shorthand and Typewriting (Bus. 31)
Electives (8 sem. hrs.)

The flexibility of the program permits the selection of courses to meet varying objectives of individual students.

A graduate who wishes to specialize in retailing may select, with the help of the Director, those specialized courses most related to retailing. Such a program would include most of the business administration courses required of undergraduates.

Applicants are advised to consult the Registrar of the College regarding conditions of admission to this diploma program.

School of Science

I. FOUR-YEAR PROGRAMS *

The curriculum of the School of Science provides the student with the fundamental knowledge and techniques which are needed to attain professional competence in certain branches of science, in mathematics, in physical therapy, in orthoptics, or in medical technology.

Programs in the Fundamental Sciences

Programs of study specializing in each of the fundamental sciences—biology, chemistry, and physics—are given in detail below. They are designed to qualify students to serve on a professional level wherever science is advanced through research or applied to the problems of medicine, agriculture, or industry. In the laboratories of industry and of research institutions, universities, and hospitals, research and development work is being carried out to find solutions to problems that range from a study of the causes and nature of cancer, its control and ultimate cure, to the manufacture of a better plastic; from the nature of the nucleus of an atom or the origin of a solar system to the development of electronic circuits to be used in radio, television, computers, automatic controls, or space rockets; from the nature of the complex changes that take place in a living cell which make life possible to the prevention and cure of the common cold. Graduates who have specialized in biology, chemistry, or physics are prepared to serve in laboratories in which such work is done.

Program in Mathematics

The program of study specializing in mathematics is described in detail below. Opportunities for women to work as mathematicians have increased markedly in the past ten years. Mathematicians are needed not only in highly specialized areas, but also in nearly all fields of pure and applied research. Work involving statistical methods, electronic computing, aircraft design, communication, and weather phenomena are but a few examples of the many openings for mathematicians. It is advisable that students who intend to specialize in mathematics also elect courses in basic science.

Women scientists or mathematicians with a reading knowledge of German and of French or Russian are in special demand to search the literature of science to determine and summarize what has been done in a specialized field in order to prepare the way for laboratory research or for application for patents.

For those who wish to enter a graduate school as candidates for advanced degrees in science or mathematics, a program of study in one of these special

* Four and one-half years for the physical therapy option.

fields is prerequisite. Laboratory assistantships, scholarships, and fellowships are offered by graduate schools to help able students finance such graduate study. Those interested in graduate study as a preparation for research in the field of nutrition may combine courses in biochemistry and foods with those suggested for specialization in chemistry. Those students who wish to teach in colleges and universities should specialize in a single science or mathematics and, after graduation, enroll in graduate school as candidates for the Ph.D. degree in this subject.

Program in Physical Therapy

The four-and-one-half-year program in physical therapy leads to the degree of Bachelor of Science and the Diploma in Physical Therapy. In this program Simmons College is affiliated with the Children's Hospital Medical Center, the Massachusetts General Hospital, the Peter Bent Brigham Hospital, and the Bay State Medical Rehabilitation Clinic. These hospitals, in which the physical therapy students secure their experience, are world famous for their facilities and staffs. During the final year and a half, much of the basic instruction is given at the Children's Hospital Medical Center, but the balance of the program is carefully apportioned among all affiliations. This diversity provides instruction by specialists in a wide variety of techniques; experience with patients of all ages, diagnoses, and degrees of disability; and participation with other medical personnel in stimulating and challenging activities.

Although more than enough academic credits are accumulated to meet the minimum requirements for graduation, neither the degree nor the diploma is awarded unless the final year and a half of the program has been completed with satisfactory grades. During this period courses continue through the summer, except for one month's vacation.

The program is approved by the Council on Medical Education and Hospitals of the American Medical Association. For the final year and a half students are eligible to apply to various special sources for scholarship and fellowship aid.

The facilities in the affiliated hospitals are such that a limitation must be placed on the number of students that may be admitted to this program in a given year. A student may be rejected by the Director of the School of Science when she applies for admission to this program if, after medical consultation, the candidate is judged for reasons of health or emotional stability to be unfit for this program. Further, if at any time a student's work, conduct, or health is unsatisfactory or if she fails to manifest those qualities judged to be essential in the practice of physical therapy, she may be required to withdraw from the program.

Physical therapy is a firmly established and constantly growing profession for women. Widespread public interest in the field of rehabilitation has resulted in expanded facilities and a demand for skilled personnel. The physical therapist plays a major role in restoring physically handicapped patients of all ages to useful and productive lives. Opportunities exist in hospitals, rehabilitation centers, the military services, Veterans Administration, public health services, and

the clinics of business and industrial firms. For the experienced physical therapist, excellent fellowships are available for further study in preparation for research, administration, and teaching.

Program in Orthoptics

The four-year program in orthoptics leads to the degree of Bachelor of Science and the Diploma in Orthoptics. Simmons College is affiliated with the Massachusetts Eye and Ear Infirmary in this program. The first three years are devoted to courses taken at the College. In the fourth year the major portion of the work is given at the Infirmary, although one course must be taken at the College. Although the academic requirements in this program are met at the end of the fourth academic year, an additional period of three months of internship is necessary before graduates qualify as candidates for the examination for certification of the American Orthoptic Council.

The need for persons trained in orthoptics to work with ophthalmologists in the diagnosis and treatment of defects and diseases of the eye has grown more acute within recent years. Such professionally trained assistants greatly aid these physicians, who are specialists in the treatment of pathological conditions of the eye. Students in this program devote much of their preprofessional education to the study of biology, physics, and mathematics.

Program in Medical Technology

The four-year program in medical technology leads to the degree of Bachelor of Science and the Diploma in Diagnostic Laboratory Science. The fourth year is of fifty weeks' duration and starts immediately after the close of the third academic year. In this program Simmons College is affiliated with the Beth Israel Hospital and the instruction in the final year is given in the laboratories and lecture halls of the Hospital by members of its staff. The program is approved by the Council on Medical Education and Hospitals of the American Medical Association and by the American Society of Clinical Pathologists. During the final year of the program each student in satisfactory academic standing is eligible to receive a scholarship of \$555 from the Hospital.

Upon entering the School of Science, a student selects the field in which she intends to specialize. The courses which she must take to acquire professional competence in this field are listed below. By a wise selection of courses in the second-year program it is usually possible for the student who is undecided in which of two related fields to specialize to postpone her final choice until the third-year program is determined. A student who wishes to prepare for a professional objective in science for which the normal programs are unsuitable may usually arrange, in consultation with the Director of the School, a special program to meet her needs.

FIRST YEAR

The arrangement of this program is described in the section entitled "The First-Year Class."

Specialization in Biology

SECOND YEAR	Vertebrate Morphology I and II (Biol. 23-1, 24-2) Organic Chemistry (Chem. 31) Calculus I, II and Review Topics (Math. 10-1, 11-2) <i>or</i> Calculus I, II (Math. 12-1, 13-2) Electives (8 sem. hrs.)
THIRD YEAR	Basic Bacteriology (Biol. 32-1) General Physiology (Biol. 31-2) Analytical Chemistry (Chem. 25-2)* General Physics (Phys. 11) <i>or</i> Calculus III (Math. 20-1) Electives (12 or 16 sem. hrs.)
FOURTH YEAR	Biochemistry (Biol. 41) Pathogenic Bacteriology (Biol. 45-1) Parasitology and Mycology (Biol. 47-1) Cytology and Histology (Biol. 42-2) Immunology and Virology (Biol. 46-2) Seminar-Research in Biology (Biol. 51) Electives (8 sem. hrs.)

Specialization in Chemistry

SECOND YEAR	Organic Chemistry (Chem. 31) General Physics (Phys. 11) Calculus III (Math. 20-1)† Electives (12 sem. hrs.)‡
THIRD YEAR	Physical Chemistry (Chem. 41)§ Qualitative Organic Chemistry (Chem. 44-1) Analytical Chemistry (Chem. 25-2)* Electives (16 sem. hrs.)
FOURTH YEAR	Biochemistry (Chem. 46-1) Advanced Organic Chemistry (Chem. 42-2)

* Students who have taken Analytical Chemistry in their second year will elect Organic Chemistry (Chem. 31) in their third year.

† If no mathematics was taken in the first year, Mathematics 10, 11, or 12, 13 should be taken in the second year and Mathematics 20 in the third year.

‡ German 20 is strongly recommended.

§ If Calculus II has not been completed, Chemistry 41 should be taken in the fourth year and Calculus II and III taken in its place.

|| If Analytical Chemistry has been taken in the second year, Chemistry 31 should be taken in the third year and Chemistry 44 in the fourth year.

Advanced Analytical Chemistry (Chem. 45-2)
Seminar in Chemistry (Chem. 51)
Electives (20 sem. hrs.)*

Specialization in Mathematics

SECOND YEAR	Calculus III (Math. 20-1) Finite Mathematics (Math. 21-2) General Physics (Phys. 11) Electives (16 sem. hrs.)
THIRD YEAR	Differential Equations (Math. 30-1) Modern Geometry (Math. 32-1)† or Linear Algebra (Math. 34-1)† Probability and Statistics (Math. 31-2) Applied Mathematics (Math. 33-2)‡ or Complex Variables (Math. 35-2)‡ or Numerical Methods (Math. 41-2)‡ Seminar in Mathematics Electives (16 sem. hrs.)
FOURTH YEAR	Introductory Modern Algebra (Math. 40-1) Advanced Calculus I and II (Math. 42-1, 43-2) Applied Mathematics (Math. 33-2)‡ or Complex Variables (Math. 35-2) ‡ or Numerical Methods (Math. 41-2) ‡ Seminar in Mathematics Electives (16 sem. hrs.)

Specialization in Physics§

SECOND YEAR	Calculus III (Math. 20-1) General Chemistry (Chem. 11 or 12) Mechanics (Phys. 23-1) Electricity and Magnetism (Phys. 21-2) Electives (12 sem. hrs.)
THIRD YEAR	Optics (Phys. 33-1) or A.C. Circuits and Electronics I (Phys. 36-1) Thermal Physics (Phys. 35-2) or A. C. Circuits and Electronics II (Phys. 37-2) Atomic Physics (Phys. 42-1) or Theoretical Physics I (Phys. 44-1) Nuclear Physics (Phys. 43-2) or

* For students of greater than average ability, Chemistry 50 is recommended.

† The student must elect one of these two courses. She may also elect the other.

‡ The student must elect any two of these three courses, preferably one in her junior year and the other in her senior year. She may also elect the third.

§ A student who did not elect Physics 11 in her first year must arrange her schedule in consultation with the Chairman of the Physics Department.

Theoretical Physics II (Phys. 46-2)
 Differential Equations (Math. 30-1)
 Applied Mathematics (Math. 33-2)
 Seminar in Physics
 Electives (8 sem. hrs.)^o

FOURTH YEAR	A.C. Circuits and Electronics I (Phys. 36-1) <i>or</i> Optics (Phys. 33-1) A. C. Circuits and Electronics II (Phys. 37-2) <i>or</i> Thermal Physics (Phys. 35-2) Theoretical Physics I (Phys. 44-1) <i>or</i> Atomic Physics (Phys. 42-1) Theoretical Physics II (Phys. 46-2) <i>or</i> Nuclear Physics (Phys. 43-2) Seminar in Physics Electives (16 sem. hrs.) ^o
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Specialization in Physical Therapy

SECOND YEAR	Elementary Physics (Phys. 10) Microbiology (Biol. 21-2) Physical Education in Physical Therapy I (Phys. Ed. 21) Introduction to Psychology (Psych. 20-1) Child Psychology (Psych. 30-2) Physical Therapy Orientation Electives (12 sem. hrs.) [†]
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THIRD YEAR	Human Anatomy (Biol. 22-1) Human Physiology (Biol. 34-2) Physical Education in Physical Therapy II (Phys. Ed. 31) Physical Therapy Orientation [‡] Electives (24 sem. hrs.) [†] <i>Recommended:</i> The Psychology of Adjustment (Psych. 31-1 <i>or</i> 2)
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FOURTH YEAR	These courses are taken in the final year and a half. With the exception of <i>Biology 49</i> , they are given at the affiliated hospitals. Therapeutic Exercise (Phys. Th. 41-123) Advanced Human Anatomy (Phys. Th. 30-12) Electrotherapy (Phys. Th. 39-12) Massage (Phys. Th. 40-1) Psychology of the Handicapped (Phys. Th. 32-2) Orthopedic and General Surgery (Phys. Th. 33-23) Medicine (Phys. Th. 35-3) Hydrotherapy (Phys. Th. 42-3) Ethics and Administration (Phys. Th. 43-23) Clinical Practice (Phys. Th. 44-23) Orientation to Nursing Techniques (Phys. Th. 45-23) Applied Physiology (Biol. 49-1)
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^o Those students planning to study physics in graduate school should elect Advanced Calculus I and II (Math 42-1, 43-2).

[†] At least one semester of mathematics is strongly recommended.

[‡] Third-year students must take this course in 1964-65.

Psychiatry (Phys. Th. 36-3)
 Pathology (Phys. Th. 37-2)
 Neurology (Phys. Th. 34-3)
 Cerebral Palsy (Phys. Th. 46-3)
 Functional Training (Phys. Th. 47-3)
 Occupational Therapy (Phys. Th. 48-3)

Specialization in Orthoptics

SECOND YEAR	General Biology (Biol. 10) General Physics (Phys. 11) Introduction to Psychology (Psych. 20-1) Child Psychology (Psych. 30-2) Electives (8 sem. hrs.)
THIRD YEAR	Optics (Phys. 33-1) Human Anatomy (Biol. 22-1) Human Physiology (Biol. 34-2) Microbiology (Biol. 21-2) Electives (16 sem. hrs.)
FOURTH YEAR	The course work is given at the Massachusetts Eye and Ear Infirmary except for <i>Orthoptics</i> 43, at the Harvard Medical School, and the elective, at Simmons College. Physiological Optics (Orth. 43) Orthoptics (Orth. 47) Elective (4 sem. hrs.)

Specialization in Medical Technology

SECOND YEAR	Organic Chemistry (Chem. 31) Microbiology (Biol. 21-2) Human Anatomy (Biol. 22-1) Calculus I, II and Review Topics (Math. 10-1, 11-2) or Calculus I, II (Math. 12-1, 13-2) Electives (8 sem. hrs.)
THIRD YEAR	Human Physiology (Biol. 34-2) Parasitology and Mycology (Biol. 47-1) Analytical Chemistry (Chem. 25-2)* Electives (20 sem. hrs.)
FOURTH YEAR	These courses are taken at the Beth Israel Hospital in the twelve months immediately following the close of the third academic year. Clinical Chemistry (Med. Tech. 40) Blood Grouping and Banking (Med. Tech. 41-1) Medical Bacteriology (Med. Tech. 42) Histologic Techniques (Med. Tech. 43-2) General Diagnostic Methods (Med. Tech. 45)

* If Analytical Chemistry has been taken in the second year, Chemistry 31 should be taken in the third year.

II. ONE-YEAR PROGRAM IN MEDICAL TECHNOLOGY FOR COLLEGE GRADUATES

A few college graduates who have had sufficient training in science may be admitted to the final year of the program in medical technology. Such students are awarded the Diploma in Diagnostic Laboratory Science upon successful completion of the courses.

IV. ONE-AND-ONE-HALF-YEAR PROGRAM IN PHYSICAL THERAPY FOR COLLEGE GRADUATES

Properly qualified college graduates may be admitted to the final year and a half of the program in physical therapy, and are awarded the Diploma in Physical Therapy upon successful completion of the courses. Preference is given to applicants who offer eight semester hours each in general biology, physics, and chemistry, and four each in anatomy and physiology. Students must also have completed twelve semester hours in the social sciences, including at least six in psychology.

V. ONE-YEAR PROGRAM IN ORTHOPTICS FOR COLLEGE GRADUATES

A few college graduates who have had sufficient training in science may be admitted to the final year of the program in orthoptics. Such students are awarded the Diploma in Orthoptics upon successful completion of the courses.

School of Home Economics

I. FOUR-YEAR PROGRAMS

The School of Home Economics offers four-year undergraduate programs in preparation for the wide variety of interesting and challenging positions open to the college graduate professionally trained in home economics, or in preparation for graduate work in foods, nutrition, and public health nutrition. At the end of the general first year the student selects the area of specialization in which she is primarily interested. With the guidance of the Director she arranges her program to fit her individual needs and professional goal. The programs which lead to the degree of Bachelor of Science are planned to achieve a balance between general education essential for all college women, and professional education essential for well-qualified, competent home economists.

Program in Home Economics Education

For the student interested in teaching or extension work, preparation in all aspects of home economics is desirable. This affords sound subject-matter training for teaching foods, nutrition, home management, clothing, textiles, family relations, and child development. Courses in education, as well as supervised teaching of home economics in junior and senior high schools, qualify her to teach in public or private elementary and secondary schools. The same type of preparation is necessary for those who wish to become home demonstration agents or 4-H Club leaders.

Program in Child Development

The student interested in teaching may select the program in child development. A graduate of this program is prepared to work with young children in nursery schools and day-care centers. Preparation includes experience with children of nursery school age as well as consideration of preschool program planning and child growth and development.

Well-qualified students enrolled in either the home economics education or the child development specialization may spend one semester of the junior or senior year in concentrated study of human development at The Merrill-Palmer Institute in Detroit.

Program in Consumer Services

The consumer services specialization is designed for the students who wish careers as home economists in business—with advertising agencies, magazines and newspapers, equipment, food, and utility companies, and test kitchens. Preparation in all aspects of home economics is included, with additional emphasis on courses in journalism and advertising. During the senior year field experience is arranged on an individual basis.

Program in Institution Management and Dietetics

The student who follows the institution management and dietetics specialization meets the requirements for a dietetic internship. She also satisfies the academic requirements for membership in The American Dietetic Association, a prerequisite for many positions in the field of dietetics. Career opportunities are varied, challenging, and creative. They include positions in hospitals, out-patient clinics, city and state health departments, schools of nursing teaching nutrition, college and school food service, and industrial and commercial organizations.

Program in Foods and Nutrition

The student who completes the foods and nutrition specialization is prepared for many kinds of positions requiring a basic understanding of food and its nutritional value. Opportunities in business, laboratories, public health agencies, and the extension services are available to the young woman whose undergraduate preparation has emphasized foods and nutrition. In some cases a year of graduate study is required in order for the student to become fully qualified for these fields. Many universities offer fellowships and graduate assistantships in teaching and research to students with a strong background in foods, nutrition, and the biological sciences who wish to work for the master's degree.

The programs in the School of Home Economics* are as follows:

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class."
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Specialization in Home Economics Education

SECOND YEAR	Foods and Nutrition (H.Ec. 23-1 or 2) Clothing (H.Ec. 20-1 or 2) Introduction to Psychology (Psych. 20-1) Design (H.Ec. 22-1) Historical and Philosophical Backgrounds of Education (Ed. 20-2) Child and Adolescent Growth and Development (H.Ec. 35-2) Electives (8 sem. hrs.)
THIRD YEAR	Home Management (H.Ec. 34-1 or 2) Advanced Foods (H.Ec. 33-1) Tailoring (H.Ec. 30-2) Field Experience in Home Economics Education (H.Ec. 36-1) The Nature of Classroom Teaching: Secondary Education (Ed. 30-1) Textiles (H.Ec. 21-2) Nutrition (H.Ec. 25-2) Electives (8 sem. hrs.)

* The program in Child Development assumes completion of Biology 10 in the first year; the other programs assume completion of Biology 10 and Chemistry 11 or 12 in the first year.

FOURTH YEAR	Curriculum and Methods in the Teaching of Home Economics (H.Ec. 54-1) Student Teaching (H.Ec. 55-1) Consumer Education (H.Ec. 47-1) Family Relations (H.Ec. 57-2) School and Teacher in American Society: Secondary Educa- tion (Ed. 45-1) Professional and academic electives (12 sem. hrs.)
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Specialization in Child Development

SECOND YEAR	Foods and Nutrition (H.Ec. 23-1 or 2) Clothing (H.Ec. 20-1 or 2) Introduction to Psychology (Psych. 20-1) Design (H.Ec. 22-1) Historical and Philosophical Backgrounds of Education (Ed. 20-1) Child and Adolescent Growth and Development (H.Ec. 35-2) Electives (8 sem. hrs.)
THIRD YEAR	Field Experience in Home Economics Education (H.Ec. 36-1) Children's Books and Periodicals (Pub. 38-1) Home Management (H.Ec. 34-1 or 2) Nutrition (H.Ec. 25-2) Consumer Education (H.Ec. 47-2) Early Childhood Programs: Methods and Materials (H.Ec. 38-1) Electives (12 sem. hrs.) <i>Recommended:</i> Psychology, Sociology
FOURTH YEAR	Advanced Child Development (H.Ec. 48-2) Family Relations (H.Ec. 57-2) Experience with Children (H.Ec. 49-2) Electives (20 sem. hrs.)

Specialization in Consumer Services

SECOND YEAR	Design (H.Ec. 22-1) Organic Chemistry (Chem. 20-1) Introduction to Psychology (Psych. 20-1 or 2) Foundations of Business Administration (Bus. 24-1) Foods and Nutrition (H.Ec. 23-2) Clothing (H.Ec. 20-2) English elective (4 sem. hrs.) Elective (4 sem. hrs.)
THIRD YEAR	Advanced Foods (H.Ec. 33-1) Home Management (H.Ec. 34-1)

Journalism (Pub. 30-1)
 Article Writing (Pub. 31-2)
 Nutrition (H.Ec. 25-2)
 Textiles (H.Ec. 21-2)
 Electives (8 sem. hrs.)

FOURTH YEAR Consumer Education (H.Ec. 47-1)
 Individual Study in Home Economics (H.Ec. 59-1)
 Advertising Policies and Methods (Bus. 50-2)
 Demonstration Techniques (H.Ec. 37-2)
 Electives (16 sem. hrs.)

Specialization in Institution Management and Dietetics

SECOND YEAR Foods and Nutrition (H.Ec. 23-1)
 Introduction to Psychology (Psych. 20-1)
 Organic Chemistry (Chem. 20-1)
 Biochemistry (Chem. 21-2)
 Human Physiology (Biol. 34-2)
 Historical and Philosophical Backgrounds of
 Education (Educ. 20-2)
 Electives (8 sem. hrs.)

THIRD YEAR Child and Adolescent Growth and Development
 (H.Ec. 35-1 or 2)
 Advanced Foods (H.Ec. 33-1 or 2)
 Home Management (H.Ec. 34-1 or 2)
 Institutional Accounting (Bus. 39-1)*
 Microbiology (Biol. 21-2)
 Nutrition (H.Ec. 25-2)
 Electives (8 or 12 sem. hrs.)

FOURTH YEAR Institution Management (H.Ec. 52-1)
 Advanced Nutrition (H.Ec. 45-1)
 Institutional Accounting (Bus. 39-1)*
 Diet Therapy (H.Ec. 46-2)
 Modern Business Management (Bus. 45-2)
 Personnel Principles and Policies (Bus. 56-2)
 Electives (8 or 12 sem. hrs.)

Specialization in Foods and Nutrition

SECOND YEAR Foods and Nutrition (H.Ec. 23-1)
 Introduction to Psychology (Psych. 20-1)
 Organic Chemistry (Chem. 31)
 Historical and Philosophical Backgrounds of Education
 (Ed. 20-2)

* Offered in alternate years.

Microbiology (Biol. 21-2)
Electives (8 sem. hrs.)

THIRD YEAR	Advanced Foods (H.Ec. 33-1) Home Management (H.Ec. 34-1) Nutrition (H.Ec. 25-2) Biochemistry (Chem. 21-2) Human Physiology (Biol. 34-2) Electives (12 sem. hrs.)
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FOURTH YEAR	Advanced Nutrition (H.Ec. 45-1) Analytical Chemistry (Chem. 25-2) Experimental Foods (H.Ec. 43-2) Demonstration Techniques (H.Ec. 37-2) Diet Therapy (H.Ec. 46-2) Electives (12 sem. hrs.)
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Special programs may be arranged to prepare for specific fields such as: Research in Foods, Clothing and Textiles.

II. PROGRAM FOR COLLEGE GRADUATES

A graduate program in home economics education leading to the degree of Master of Science is offered in a series of five summer sessions. One or two graduate courses are offered in a late afternoon or Saturday program during each semester of the academic year, thus making it possible to complete degree requirements in fewer than five summers. Full information is contained in a bulletin which may be obtained from the Director of the School of Home Economics.

School of Nursing

The School of Nursing aims through its programs of study to prepare students for initial employment in professional nursing and for graduate study.

The School believes that liberal and professional education are essential components of nursing education; that professional nursing is practiced with greater depth of understanding and ability by the nurse who has integrated concepts gained through a combination of broad knowledge of the arts with natural, behavioral, and medical sciences; and that the nurse functions in co-operation with allied and paramedical groups to serve the public in areas of health promotion, disease prevention, rehabilitation, and care of the sick.

The School of Nursing believes that learning experiences should be carefully selected and planned to provide maximum opportunity for the practice of individualized patient care with an understanding of the implications of health and illness to the person and his family. Thus, the student is enabled to transfer common principles of nursing care, by the use of sound judgment based on knowledge, to the care of numbers of individuals. The School further believes that academic excellence can be stimulated in a climate where each student may work to develop her own potential as a responsible, self-directing member of her profession and her community.

The School of Nursing offers two programs leading to the baccalaureate degree. The Basic Professional Program is designed for high school graduates who wish preparation for nursing correlated with collegiate education. The General Nursing Program is designed for registered nurse graduates of state-approved hospital or junior college schools of nursing who wish a liberal education combined with supplementary basic professional education.

Graduates of the Basic Professional Program are eligible for state examinations required for the registration of professional nurses. Both programs are approved by the Accrediting Service of the National League for Nursing and include preparation for public health nursing.

BASIC PROFESSIONAL PROGRAM

The purpose of this five-academic-year program is to provide for qualified applicants a broad scientific, academic, and professional base whereby they may develop social consciousness, sound professional attitudes, and beginning competencies in nursing.

A wide range of hospitals and public health agencies are selected by the College in order to secure extensive practice opportunities for students. The College faculty guides and directs the practice of students in the agencies.

There are several distinct advantages of this program. (1) It enables the student to secure both a liberal education and professional preparation in nursing. (2) Nursing theory and practice are geared to the maturity and capacity of the college student. (3) There is opportunity for students to elect courses in areas of special interest. (4) Students live on campus and are thus able to participate in college activities throughout the program.

All courses in the program must be satisfactorily completed before the degree may be awarded. The College reserves the right to exclude students whose progress in nursing is unsatisfactory.

FIRST YEAR	The arrangement of this program is described in the section entitled "The First-Year Class.."
SECOND YEAR	Human Anatomy (Biol. 22-1) Introduction to Psychology (Psych. 20-1) Fundamentals of Nursing (N. 21) Personal and Professional Relationships in Nursing (N. 22-1) Group Dynamics (N. 23-2) Human Physiology (Biol. 34-2) Microbiology (Biol. 21-2)
THIRD FOURTH AND FIFTH YEARS	Electives (28 sem. hrs.) Introduction to Sociology (Soc. 20-1 or 2) The Development of Contemporary Society (Soc. St. 10) Human Growth and Development (N. 35-2) Medical-Surgical Nursing I (N. 31-1) Medical-Surgical Nursing II (N. 33-2) Nursing of Mothers and Infants (N. 41-1 or 2) Nursing of Children (N. 43-1 or 2) Psychiatric Nursing (N. 51-1 or 2) Seminar in Nursing (N. 52-2) Public Health Nursing (N. 53-1 or 2) Nursing in Disaster (N. 55-1)

For the basic fees for all Simmons College students see the section on "Expenses." Students in the School of Nursing have additional expenses approximately as follows:

Second Year

Uniforms	\$50
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Third Year

Uniforms	\$50
Transportation	\$50

Fourth Year

Uniforms	\$20
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Fifth Year

Uniforms	\$50
Transportation	\$50

See the section on "Residence" for living arrangements.

Students desiring part-time employment during the academic year and full-time summer employment are encouraged to seek the assistance of the College Placement Office.

IV. GENERAL NURSING PROGRAM

Qualified registered nurses who wish to complete requirements for a Bachelor of Science degree with a major in nursing are admissible to the General Nursing Program. Graduates of this program are prepared for first-level positions in all areas of nursing and for graduate study. Advanced standing for previous education in nursing and for courses taken in other accredited colleges and universities may be granted on an individual basis. See pages 40 and 41 for admission requirements. Students whose basic preparation did not include psychiatric nursing will be required to make up this deficiency.

The program is planned on a six-semester basis to permit the student to achieve the objectives of Simmons College in both general and professional education. The final 32 semester hours of work must be completed at Simmons College. Students are expected to complete the program within a period of not more than six years. For other degree requirements, see page 159.

The first four semesters are designed to enrich the student's background in academic areas—the humanities, biological sciences, and social sciences. This program draws on the total resources of the College as well as the School of Nursing. The upper division nursing courses are taken in the final year.

The program consists of the following courses or their equivalent:

SECOND	Electives (16 sem. hrs.)
AND	Electives in English (8 sem. hrs.)*
THIRD	Introduction to Psychology (Psych. 20-1 or 2)
YEARS	Introduction to Sociology (Soc. 20-1 or 2)
	The Development of Contemporary Society (Soc. St. 10)
	General Biology (Biol. 10)
	Electives in science (8 sem. hrs.)
	Group Dynamics (N. 23-1)
	Human Growth and Development (N. 35-2)
	Social Foundations of Nursing (N. 25-1)
FOURTH	Electives (16 sem. hrs.)
YEAR	Nursing Practicum (N. 45-1)
	Public Health Nursing (N. 53-2)

* Chosen individually on the basis of previous education and placement tests.

COURSES OF INSTRUCTION

The requirements for each year in the various programs are shown on the preceding pages in the outlines of the programs in each school. Any changes in the courses listed, which may seem advisable because of the varying objectives of the students, are subject to the approval of the director of the school in which the student is enrolled. It must be understood that the College reserves the right to make changes in the courses announced or to omit any course for which there is insufficient enrollment.

A course which occupies a fourth of the full-time effort of a student for one year, irrespective of the actual number of class exercises, is assigned credit of eight semester hours. A course which occupies a smaller fraction of a student's effort is assigned credit in the same ratio. A class period occupies forty-five minutes.

In the course numbers the digit following the dash indicates the half-year during which the course is given. The 0 indicates a course given for the full college year, the 1 and 2 indicate first and second half-years. An S preceding the course number indicates a summer course.

Introduction to the College

The freshman course concerning Simmons and its programs. The first half-year is intended to assist the first-year student in her adjustment to new responsibilities and environment. Talks are given on study habits and techniques, health, social relationships, self-understanding, and other pertinent subjects.

During the second half-year the Directors describe the offerings of their Schools. The Chairmen of Divisions discuss the elective courses in academic subjects. Vocational information is presented by the Director of Placement and by the Directors of Schools. Individual conferences with the Directors of Schools give the freshmen opportunities for questions and discussion. MISS CLIFTON and special lecturers.

Language, Literature, and the Arts

ENGLISH

Voice Conference

During the orientation period in September all first-year students take a brief oral reading test to determine who can benefit from a short program of voice recordings and individual conferences for improving speech. MISS MILLIKEN.

10a-1, 10b-2. Reading and Writing

4 or 8 semester hours

Intensive assignments in writing with frequent conferences. Papers analyzing significant literary texts, chiefly modern, MISS MILLIKEN, MR. NITCHIE, MR. STERNE, MR. L'HOMME, MR. PERRY, MR. MANLY, MR. FREEDMAN, MRS. BANK, MRS. KOPPELL.

On recommendation of the department the first semester may be taken separately for four semester hours of credit.

11a-1, 11b-2. Readings in Twentieth Century Literature

4 or 8 semester hours

For first-year students whose placement tests indicate unusual ability in English. Discussion of twentieth century novelists, poets, and critics of literature and society. Frequent critical papers. MR. L'HOMME, MR. LANGER, MR. PERRY, MRS. WEISBERG.

On recommendation of the department the first semester may be taken separately for four semester hours of credit.

20-0. American Writers

8 semester hours

Reading in major American writers such as Jonathan Edwards, Jefferson, Hawthorne, Emerson, Melville, Henry James, William James, Eugene O'Neill, E. A. Robinson, and Faulkner to illustrate their relation to English and Continental literature and to fundamental American issues like Puritanism, transcendentalism, pragmatism, and the democratic tradition. Critical papers, written after conference with the instructor.

MR. STERNE.

Prerequisite: English 10 or 11 or the equivalent.

21-0. English Literature of the Nineteenth Century

8 semester hours

Major British writers of the Romantic and Victorian periods: Wordsworth, Byron, Shelley, Keats, Carlyle, Ruskin, Mill, Newman, Arnold, and Pater. Six critical papers written after conference with the instructor. MR. L'HOMME, MR. FREEDMAN.

Prerequisite: English 10 or 11 or the equivalent.

22-0. Problems in English Literature of the Nineteenth Century

8 semester hours

Intensive analysis of certain philosophic, social, and artistic themes in Continental as well as English writers. Substantial critical reports written after consultation with the instructor. MR. SYPHER.

Prerequisite: English 10 or 11 or the equivalent, and consent of the instructor.

Enrollment: limited.

24-1. Spoken English

4 semester hours

Training in the definition, support, organization, and effective presentation of ideas in a variety of speech situations; improvement of speaking habits through conferences with the instructor and practice with the tape recorder. MISS MILLIKEN.

Prerequisite: English 10 or 11 or the equivalent.

28-2. English Language—Its Growth and Use

4 semester hours

A brief history of the English language and the effects of its growth on vocabulary, grammar, idiom, and general usage in the spoken word as well as in literature.

MISS MILLIKEN.

Prerequisite: English 10 or 11 or the equivalent.

30-2. The Bible

4 semester hours

The major religious and ethical preoccupations of Biblical writers. Intensive study of Old Testament narrative, chronicle, poetry, and prophecy, and New Testament gospels and letters. MR. GREENE.

Prerequisite: English 10 or 11 or the equivalent.

32-0. Special Studies in American Literature

8 semester hours

Intensive consideration of major American writers from Edwards to Faulkner, supplemented by extensive reading and class discussion of related English and Continental works. Critical papers, written after conference with the instructor. MR. STERNE.

Prerequisite: English 10 or 11 and consultation with the instructor.

Enrollment: limited.

33-2. English Literature and Society in the Age of Donne and Milton

4 semester hours

Discussion of such figures as Donne, Jonson, Bacon, Milton, Hobbes, and Dryden, and of the literary, religious, and philosophic conflicts of the seventeenth century.

MR. NITCHEL.

Prerequisite: English 10 or 11 or the equivalent.

34-1. English Literature and Society in the Age of Enlightenment

4 semester hours

Readings in Swift, Pope, Johnson, and other significant eighteenth century writers illustrating the currents of thought in a cosmopolitan age. Supplementary comment on painting, gardening, furniture, and architecture. MR. GREENE.

Prerequisite: English 10 or 11 or the equivalent.

35-1. Shakespeare

4 semester hours

Analysis and interpretation of major plays, with comment on the theatre of Shakespeare's London. Elective for third- and fourth-year students. MR. STYPER.

36-2. The English Novel

4 semester hours

Major British novelists from the eighteenth century to the present, including Richardson, Fielding, Austen, Dickens, Eliot, Hardy, Lawrence, Joyce, and Snow.

MR. GREENE.

Prerequisite: English 10 or 11 or the equivalent.

37-1. The Continental and American Novel

4 semester hours

Intensive reading of novels by Melville, Dostoevsky, Mark Twain, James, Gide, Faulkner, Mann, and Camus, treated as examples of the art of fiction. The intellectual background and thematic continuity and variation from the nineteenth century to the present. MR. LANGER.

Prerequisite: English 10 or 11 or the equivalent.

39-2. Modern Poetry

4 semester hours

The principal poets from Thomas Hardy to Dylan Thomas, particularly such dominant figures as W. B. Yeats, T. S. Eliot, and W. H. Auden. MR. NITCHIE.

Prerequisite: English 10 or 11 or the equivalent.

40-2. Types of Drama

4 semester hours

Discussion and analysis of the changing image of man as reflected in important dramas of the Western world from Sophocles to Beckett. MR. MANLY.

Prerequisite: English 10 or 11 or the equivalent.

42-1. Introduction to Poetry

4 semester hours

English lyric poetry from Chaucer to the present. The forms, conventions, and styles of the various periods. The backgrounds in Greek and Latin, Provençal, Italian, and French poetry. Parallel developments in American and Irish poetry. MR. L'HOMME.

Prerequisite: English 10 or 11 or the equivalent.

43-1. Shaw

4 semester hours

The plays, prefaces, and criticism of George Bernard Shaw. Discussion of his times and his theatre. MR. BOSWORTH.

Prerequisite: English 10 or 11 or the equivalent.

44-2. The English Renaissance

4 semester hours

Some of the principal authors and works from 1500 to 1625. The rise of the drama, including such playwrights as Marlowe, Kyd, Greene, and Dekker, and a few later playwrights such as Webster and Ford. Spenser and the rise of lyric poetry. The Elizabethan "novel" and romance, development of the English Bible, and such representative prose works as More's *Utopia* and Sidney's *Apology for Poetry*. MR. PERRY.

Prerequisite: English 10 or 11 or the equivalent.

45-1. Chaucer

4 semester hours

The principal works of Chaucer (early poetry, *Troilus*, *Canterbury Tales*) with special attention to his dramatic originality in developing such medieval forms as the allegory, fabliau, and romance. MR. MANLY.

Prerequisite: English 10 or 11 or the equivalent.

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

For other writing courses, see Publication 30, 31, 32, 33, 34, 35.

COMPARATIVE LITERATURE**80-2. Nineteenth Century English and Continental Poetry**

4 semester hours

Selected texts, chiefly verse, in English, French, and German literature, the latter in translation. The complex nature of romanticism, and its relationships to post-Renaissance and modern culture. Short critical papers. MR. NITCHIE.

Prerequisite: English 10 or 11 or the equivalent.

81-1. Literature and Society

4 semester hours

Comparative study of the treatment by certain American writers (such as Faulkner, Hemingway, Steinbeck, and Bellow) and certain French writers (such as Mauriac, Camus, Sartre, and Sarraute) of social, moral, and philosophic problems. MR. STERNE.

Prerequisite: English 10 or 11 or the equivalent.

82-2. Studies in the Modern Novel

4 semester hours

Intensive reading in the major work of novelists like Tolstoy, Proust, Mann, and Joyce. MR. LANGER.

Prerequisite: English 10 or 11 or the equivalent, and consultation with the instructor.

Enrollment: limited.

[83-2. Criticism

4 semester hours

A review of different methods of criticism—psychological, social, philosophical, aesthetic, religious, and ethical—applicable to literature and the arts.

Prerequisite: consent of the instructor.

Not offered in 1964-65.]

84-2. Greek and Latin Literature in Translation

4 semester hours

Readings in ancient epic, drama, and philosophy. MR. SYPHER.

Prerequisite: English 10 or 11 or the equivalent.

[85-1. Medieval Literature

4 semester hours

Selected works of medieval literature, including epics like *Beowulf* and the *Nibelungenlied*, lyric poems by the troubadours, romances like Chrétien's *Lancelot* and Gottfried von Strassburg's *Tristan*, and Dante's *Divine Comedy*.

Prerequisite: English 10 or 11 or the equivalent.

Not offered in 1964-65.]

87-2. Russian Literature in Translation

4 semester hours

Major Russian and Soviet authors, including Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, Chekhov, and Pasternak. Emphasis upon intellectual and social influences. MR. LANGER.

Prerequisite: English 10 or 11 or the equivalent.

89-1. Greek Mythology

4 semester hours

Intensive and detailed study of the central myths, illustrated by readings in such works as Hesiod's *Theogony*, the Homeric hymns, Ovid's *Metamorphoses*, and selected Greek plays. Frequent quizzes. MR. PERRY.

Prerequisite: English 10 or 11 or the equivalent.

FRENCH

Placement of students who have not studied French at Simmons College is determined on the basis of tests given by the Department.

10-0. Beginning French

8 semester hours

Study of pronunciation, grammar, and vocabulary to develop ability to understand, speak, read, and write simple French. The student acquires a mastery of vocabulary and syntax needed for more advanced courses, or if necessary, for reading independently. MR. ———.

20-0. Intermediate French

8 semester hours

An intensive review of grammar, oral practice, and reading of modern French texts of graduated difficulty. Students with a grade of B or better may go directly into *French 31, 32 or 34, 35.* MR. ———.

25-0. Intermediate French

8 semester hours

Similar to *French 20* but with more emphasis on the spoken language. Normally followed by *French 33 or 34, 35 or 31, 32.* MR. MCKEEN, MR. ———.

28-0. Readings in French Literature and Civilization

8 semester hours

Systematic review of grammar with reading of selected materials to gain an understanding of French civilization and culture. Prepares for *French 31, 32.* MR. NEWMAN, MR. ADDELSON, MR. MCKEEN.

31-1, 32-2. Major French Writers*

4 or 8 semester hours

Intensive reading of masterworks of such figures as Rabelais, Montaigne, Racine, Molière, Rousseau, Voltaire, Hugo, Stendhal, Balzac, and Baudelaire. Introduction to the major trends in French literature and thinking from the Renaissance to the present day. *Prerequisite:* to all advanced courses in French literature. *Lectures and class discussion in French.* MISS TELLA.

33-1, 2. Spoken French

4 semester hours

Intensive semester course for students of superior aptitude in French language. One class meeting a week and four hours of individual oral-aural practice in language laboratory. MR. NEWMAN.

Prerequisite: consent of the instructor.

* Not divisible except by special permission.

34-1, 35-2. Conversation and Composition

4 or 8 semester hours

During the first half-year, concentration, with individual assistance, upon pronunciation, enunciation and intonation, and drill in the everyday French idiom to gain facility and correctness of expression. During the second half-year, individualized readings as a basis for oral and written reports on aspects of French civilization. *Conducted in French.* MR. NEWMAN, MR. ———.

Prerequisite: French 25 or 28, or consent of the instructor.

36-1. French Linguistics

4 semester hours

An introduction to the historical development of French and to the principles of linguistics as related to the teaching of the language. MR. ADDELSON.

Prerequisite: French 34, 35, or consent of the instructor.

37-2. Stylistics

4 semester hours

Intensive course in elements of style. Composition, translation, *explication de textes*. MR. ———.

Prerequisite: French 34, 35, or consent of the instructor.

[41-1, 42-2. The Age of Classicism*]

4 or 8 semester hours

An investigation into the sources of classical aesthetics in the sixteenth century, with an intensive study of the major figures of the century of Louis XIV.

Prerequisite: French 31, 32, or consent of the instructor.

Not offered in 1964-65.]

43-1, 44-2. The Age of Reason*

4 or 8 semester hours

A chronological study of the *esprit philosophique* of the Enlightenment, together with a study of other currents of eighteenth century thought and culture, such as sentimentalism, neoclassicism, rococo. MR. MCKEEN.

Prerequisite: French 31, 32, or consent of the instructor.

[45-1, 46-2. French Literature from the Revolution to the Third Republic*]

4 or 8 semester hours

The emergence and development of modern French literature through pre-romanticism, romanticism, and the later movements of realism, naturalism, *parnasse*, and symbolism.

Prerequisite: French 31, 32, or consent of the instructor.

Not offered in 1964-65.]

47-1, 48-2. Contemporary French Literature*

4 or 8 semester hours

Selected readings in modern French literature from symbolism to the present time. Readings from such figures as Baudelaire, Mallarmé, Rimbaud, Verlaine, Apollinaire, Proust, Gide, Mauriac, Duhamel, Camus, Sartre, Giraudoux, Anouilh. MR. NEWMAN.

Prerequisite: French 31, 32, or consent of the instructor.

* Offered in alternate years.

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

GERMAN**10-0. Beginning German**

8 semester hours

Development of reading ability, with essentials of grammar. Elementary reading material followed by short stories and other narrative prose. Oral-aural practice.

MR. KLEIN.

20-0. Advanced German

8 semester hours

Continuation of *German 10*. Practice in accurate translation, followed by readings in narrative, critical, and dramatic literature. Introduction to German history and civilization. Extensive outside reading. Practice in conversation. MR. KLEIN, MRS. WELLS.

Prerequisite: *German 10* or the equivalent.

[30-1. Goethe's Faust and the Faust Legend in European Literature*]

4 semester hours

The representative work of the "representative man" of his age: sources of the Faust legend, its dramatization by Marlowe in *Dr. Faustus*, and, chiefly, its significance as the expression of Goethe's views. Outside reading in other works of Goethe. Written reports.

Prerequisite: *German 20* or the equivalent.

Not offered in 1964-65.]

[31-2. Contemporary German Literature*]

4 semester hours

Short stories, essays, and Novellen by representatives of the leading trends in German literature since 1900, e.g. Günter Grass, Borchert, Thomas Mann, Heinrich Mann, Hesse, Brecht, Goes, and Bergengruen. Parallel readings in other European and American writers. Oral and written reports on collateral reading.

Prerequisite: *German 20* or the equivalent.

Not offered in 1964-65.]

32-2. Modern German Drama*

4 semester hours

German drama from 1890 to the present as an expression of changing esthetic, cultural, and social ideas. Naturalism (Hauptmann, Holz, and Schlaf), symbolism (von Hofmannsthal), expressionism (Wedekind, Toller, Georg Kaiser, Brecht), post-war drama (Dürrenmatt, Zuckmeyer, Max Frisch, Billinger). Collateral readings in such dramatists as Ibsen, Strindberg, Chekhov, O'Neill, Wilder, Miller, Anouilh.

MR. KLEIN.

Prerequisite: *German 20* or the equivalent.

33-1. Classical Age of German Literature*

4 semester hours

Literature of the *Goethezeit*. The sources of German Classicism and Romanticism in

* Offered in alternate years.

Hamann, Herder, Klopstock, Rousseau, Wieland, and in the *Sturm und Drang*. Dramas by Lessing, Schiller, and Goethe (not including *Faust*). MR. KLEIN.

Prerequisite: German 20 or the equivalent.

SPANISH

10-0. Introduction to Spanish

8 semester hours

Intensive oral practice combined with elements of grammar and the reading of contemporary literary texts. Lectures and papers to acquaint the student with the civilization and culture of the Hispanic world. MRS. HELMAN, MR. ———.

20-0. Hispanic Civilization

8 semester hours

Review of basic principles of pronunciation and grammar, critical reading and discussion of modern texts of Hispanic literature and civilization. For students who have completed *Spanish 10* or its equivalent. Prepares for *Spanish 31, 32, and 34, and 35, 36* MR. ———.

25-0. Twentieth Century Readings

8 semester hours

Contemporary Hispanic literature supplemented by a rapid grammar review and oral-aural practice in the laboratory. For students of high achievement in the placement test or in *Spanish 10*. Prepares for all 30 courses. MRS. HELMAN.

[31-1, 32-2. Literature of the Spanish People*]

4 or 8 semester hours

Major works of Spanish literature from the Middle Ages to the present. The emergence of literary forms studied against the background of the contemporary society.

Prerequisite: *Spanish 20* or the equivalent.

Not offered in 1964-65.]

33-1. Spoken Spanish

4 semester hours

Intensive oral-aural practice in two class meetings and three individually planned laboratory hours. For majors and students of superior language aptitude.

MR. ———.

Prerequisite: consent of the instructor.

34-2. Conversation and Composition

4 semester hours

Laboratory exercises, oral reports, and themes based on current Spanish and Spanish-American texts and periodicals. Language review and practice writing.

MR. ———.

Prerequisite: consent of the instructor.

35-1, 36-2. Major Writers of Modern Spanish America*

4 or 8 semester hours

The main currents of Hispanic American history and thought from 1810 to the present, as expressed in the writings of such authors as Bolívar, Sarmiento, Bello, Rodó, Martí, and others. The most significant essays, novels, and poems in relation

* Not divisible except by special permission.

to the contemporary literary movements in Europe and the United States.

MRS. HELMAN, MR. ———.

Prerequisite: Spanish 20 or the equivalent, a reading knowledge of Spanish.

[42-1. Types of Spanish Fiction]

4 semester hours

The novel and the tale from Cervantes to the present: Quevedo and Gracián, Pérez Galdós and *Clarín*, Unamuno, Pérez de Ayala, Boroja and Camilo José Cela.

Prerequisite: Spanish 31, 32, or 35, 36, or the equivalent.

Not offered in 1964-65.]

43-1. The Drama and Theatre in Spain

4 semester hours

From the Middle Ages to the present, with special emphasis on Lope de Vega, Tirso de Molina, Calderón and García Lorca. MRS. HELMAN.

Prerequisite: Spanish 31, 32, or 35, 36, or the equivalent.

[44-2. Epic and Lyric Poetry]

4 semester hours

The great poets and main themes from the origins of Spanish poetry to the twentieth century; the texts are supplemented by recordings.

Prerequisite: Spanish 31, 32, or 35, 36, or the equivalent.

Not offered in 1964-65.]

[45-1. Spanish History and Literature of the Nineteenth and Twentieth Centuries]

4 semester hours

Prerequisite: Spanish 31, 32, or 35, 36, or the equivalent.

Not offered in 1964-65.]

46-2. Unamuno and Ortega y Gasset

4 semester hours

Study of their major works in relation to contemporary European thought.

MRS. HELMAN.

Prerequisite: Spanish 31, 32, or 35, 36, or the equivalent.

[47-2. Advanced Language and Style]

4 semester hours

Review of recent trends in romance linguistics. Different methods of literary interpretation applied in the analysis of specific texts. Seminar reports and papers provide opportunity for students to work directly on problems of teaching language and literature.

Prerequisite: Spanish 31, 32, or 35, 36, or the equivalent.

Not offered in 1964-65.]

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

RUSSIAN

10-0. Beginning Russian

8 semester hours

Drill in grammar, vocabulary, translation, and simple conversation to give a basic knowledge of Russian that can be extended according to interest or need.

MISS MAMIKONIAN.

20-0. Intermediate Russian

8 semester hours

Review and completion of basic syntax correlated with reading of graded prose and periodical literature. Continued practice in writing and intensive work on vocabulary and idiomatic command of language. MISS MAMIKONIAN.

Prerequisite: Russian 10 or two years of secondary-school Russian.

30-0. Advanced Russian

8 semester hours

Intensive reading and translation. MISS MAMIKONIAN.

Prerequisite: Russian 20 or the equivalent.

LATIN**21-1, 22-2. Major Latin Writers**

4 or 8 semester hours

Reading and discussion of certain major writers intended for those who wish to continue Latin beyond secondary school. In the first semester, prose, including Cicero's essays, Pliny, Sallust, and Livy. In the second semester, drama and poetry: Terence, Plautus, Virgil, Ovid, Horace, Catullus, and Lucretius. The literary value of these authors and their contribution to Western culture. MR. KEIZER.

Prerequisite: three or more years of secondary-school Latin, or a satisfactory score on the placement test. *Offered:* as a year course, though either semester may be taken separately.

ART HISTORY**20-1, 2. Introduction to the Visual Arts**

4 semester hours

Close study of a small group of works of painting, sculpture, and architecture representing several major phases of Western culture from ancient Greece to contemporary Europe and America. MR. CARPENTER and assistants.

21-1. Art of the Italian Renaissance

4 semester hours

Painting, sculpture, and architecture in Italy during the fifteenth and sixteenth centuries. Emphasis upon such major figures as Donatello, Leonardo da Vinci, and Michelangelo. MR. CARPENTER.

22-1. Arts of the Far East

4 semester hours

The Asiatic tradition from pre-Buddhist sculpture in India to painting in modern Japan. The great periods of China—Han, T'ang, and Sung—and landscape painting in Japan. One hour weekly in the Asiatic division of the Museum of Fine Arts for direct study of original material. MR. BUSH.

[23-2. Art in Europe and America, 1750-1900

4 semester hours

Painting, sculpture, and architecture from the neo-classical movement of the late eighteenth century to Cézanne and Rodin. Emphasis upon such artists as Delacroix, Monet, and Van Gogh in Europe and Homer, Inness, and Eakins in America. Not offered in 1964-65.]

24-1. Twentieth Century Art in Europe and America

4 semester hours

Developments from French Impressionism through Fauvism, Expressionism, Cubism, and abstract art; Expressionism in Germany; the Mexican renaissance; and comparative trends in Europe and the United States. MR. BUSH.

26-2. Baroque and Rococo Art in Europe

4 semester hours

European art from the Counter Reformation to the French Revolution. Emphasis on such major seventeenth century artists as Caravaggio, Bernini, Rubens, Rembrandt, and Velasquez. MR. CARPENTER.

27-2. The Art of Classical Antiquity

4 semester hours

Painting, sculpture, and architecture in Mediterranean culture from the Minoan period to the decline of the Roman Empire. Emphasis upon Greek art of the archaic and classical periods. MR. CARPENTER.

28-2. The Indian Arts of America

4 semester hours

A preliminary study of ethnic origins followed by the pre-Hispanic arts of the Central Valley of Mexico, Central America, and the Andean regions. Stress on Olmec, Toltec, Mayan, Aztec, and pre-Incan cultures and on North American material in the collections of Denmark. MR. BUSH.

Proseminars in art history are undergraduate seminars not intended for specialists. Their purpose is three-fold. They offer the student with some preliminary knowledge of a particular field an opportunity to extend that knowledge, they permit her to work in a small group, and they allow her to assume a more active role in the study of art history than is normally possible in a lecture course. Students will prepare papers under the guidance of the instructor and present them to the seminar for discussion.

31-1. Proseminar in Sixteenth and Seventeenth Century Painting

4 semester hours

MR. CARPENTER.

Prerequisite: consultation with the instructor.

32-2. Proseminar in the Art of India

4 semester hours

MR. BUSH.

Prerequisite: consultation with the instructor.

[34-2. Proseminar in Twentieth Century Art

4 semester hours

Prerequisite: consultation with the instructor.

Not offered in 1964-65.]

[40-1. Proseminar in Methods of Art Criticism

4 semester hours

Prerequisite: consultation with the instructor.
Not offered in 1964-65.]

MUSIC**20-1, 2. Introduction to Music**

4 semester hours

The development of European music, with emphasis on major musical forms and the characteristics of music from the pre-baroque to Debussy. Guided listening to recordings, study of musical scores, attendance at concerts, and collateral readings.

MR. CLEAVES.

21-1. The Classical Period

4 semester hours

The music and significance of Haydn, Mozart, and Beethoven. Guided listenings to recordings, study of musical scores, attendance at concerts, and collateral readings.

MR. CLEAVES, MR. ———.

22-2. Contemporary Music

4 semester hours

Recent European and American musical developments, with attention to political, social, and economic influences on modern composers. Guided listening to recordings, study of musical scores, attendance at concerts, and collateral readings.

MR. CLEAVES.

23-1. Introduction to Opera

4 semester hours

The music and librettos of selected operas. Guided listening to recordings, discussion of scores and librettos, attendance at concerts, and collateral readings. MR. CLEAVES.

24-2. The Romantic Period

4 semester hours

Principal musical forms and styles from Beethoven to Debussy. Guided listening to recordings, study of musical scores, and attendance at concerts. MR. CLEAVES,

MR. ———.

[25-1. Bach and Beethoven

4 semester hours

Intensive study of J. S. Bach and Beethoven. Guided listening to recordings, study of musical scores, attendance at concerts, and collateral readings.

Not offered in 1964-65.]

New England Conservatory of Music

Courses in applied music and theoretical subjects regularly offered at the New England Conservatory of Music may be elected for credit by qualified students under the conditions described on page 153.

Social Studies

10-0. The Development of Contemporary Society

8 semester hours

A course designed to provide a basic part of the general education of the student. Study of the development of western civilization to gain an appreciation of the role of modern institutions and a perspective of the culture in which we live. Emphasis on cultures and institutions in significant periods, rather than history as such. Instruction in relatively small discussion groups, supplemented by lectures, visual aids, and reading in original sources and literary works. A foundation course for further work in the social studies, but may be elected at any point in a student's college career. MR. KAHL, MR. TOLLEFSON, MR. HAWTHORNE, MR. HUNTER, MRS. MILBURN, MR. EDELSTEIN.

HISTORY

21-1, 22-2. History of American Civilization

4 or 8 semester hours

History 21. Development of the democratic spirit and of American political and social institutions from the eighteenth century through the Reconstruction Period.

History 22. The development of American life since the Civil War and the reorientation of democracy from agrarian to urban problems as America comes of age as a society and as a world power.

Outside reading and class discussion supplement the lectures throughout the year.

MR. HAWTHORNE, MR. HALKO, MR. EDELSTEIN.

Offered: as a year course, or either half may be taken separately.

23-1. United States Colonial History

4 semester hours

The European background of the migrations to America, the settlement of the thirteen colonies, their internal development and growth, the role they played in the British Empire, and the forces leading to the outbreak of the Revolution in 1776.

MR. HALKO.

24-1. English History

4 semester hours

A history of England from 1485 to the present with emphasis on the nineteenth and twentieth centuries. The growth of individual freedom in England and the contributions of English institutions to contemporary civilization. Reading in historical sources and contemporary literature. MR. KAHL.

27-1. Nineteenth Century Europe

4 semester hours

Consideration of European history from 1814 to 1914 with glimpses beyond those dates. Special attention given to the forces—national, economic, and intellectual—which molded the characteristics of contemporary Europe. Includes a paper based on one of the central problems of the period. MR. HUNTER.

28-2. Twentieth Century Europe

4 semester hours

An appraisal of the efforts to reach a settlement after World War I; investigates

the attempts of the several states to cope with the complexities of modern society and examines the causes and aftermath of World War II. MR. KAHL.

29-2. Ancient History*

4 semester hours

Devoted essentially to a study of Greek and Roman societies, emphasizing their intrinsic importance, their inheritance from their past, their relation to their contemporary civilizations, and their legacy to history and to our present society. Readings from primary sources, discussions, and a term paper. MR. HUNTER.

31-1. American Foreign Policy†

4 semester hours

America in world politics from 1939 to the present, with special emphasis on current problems in American foreign relations. Includes a research project and a paper. MR. HAWTHORNE.

33-1, 34-2. A History of American Thought

4 or 8 semester hours

History 33. An examination, in seminar, of the major ideas and thinkers in the United States from Colonial times through the Civil War, utilizing various types of both nineteenth and twentieth century unabridged printed sources. Student essays on the reading to be prepared before each meeting. MR. EDELSTEIN.

History 34. An analysis of American thought and attitudes from 1860 to the present. A seminar with extensive reading, a major critical paper, and an examination on the reading. MR. HAWTHORNE.

Prerequisite: work in a chronologically appropriate course in American history or literature, or consent of the instructor.

Enrollment: limited to twenty students.

35-2. Modern Russia

4 semester hours

The development of Russia's social, cultural, political, and economic institutions, with special emphasis on evidences of similarity and contrast between the Imperial and Soviet periods. Class discussions and a term paper on contemporary Russia. MR. HUNTER.

36-1. English Constitutional History, 1066-1776

4 semester hours

The principal events in the development of the English constitution with emphasis upon those institutions which contributed to the concept of individual liberty. Special attention to the growth of Parliament and to theories of representative government in England and the American colonies. Readings in contemporary documents. MR. KAHL.

37-2. American Constitutional History, 1789 to the Present†

4 semester hours

The development of American law as reflected in historic judicial decisions. Special emphasis on English antecedents of American law, and the issues of states rights and civil liberties. MR. HALKO.

Prerequisite: *History 21, 22*, or consent of the instructor.

* Offered in alternate years.

† May count as Government requirement.

[38-2. Modern France***4 semester hours**

The history of France from the old regime to the present, with emphasis on political, social, and economic institutions and on the changing roles of France in European affairs.

Not offered in 1964-65.]

40-1. The History of American Economic Institutions**4 semester hours**

Readings, discussions, and lectures with papers and reports. Emphasis on interrelation of contemporary economic institutions and contemporary political and social problems. MR. HAWTHORNE.

Prerequisite: course work in *American History* and *Economics* 20.

41-2. The American Civil War Era**4 semester hours**

A study, in seminar, of factors and factions leading to the Civil War, of military and civilian behavior during the war, and of issues concerning the postwar reconstruction. Some attention also given to the current importance of the Civil War legacy.

MR. EDELSTEIN.

Prerequisite: *History* 21, *History* 33 or 37, or consent of the instructor.

Enrollment: limited to fifteen students.

61-1. Historiography**4 semester hours**

An examination, in seminar, of major Western historians with a view to understanding changing frames of reference and a variety of historical methods. Members of the Department.

Enrollment: required of seniors in the pregraduate history program; open to others with consent of members of the Department.

65-2. Directed Study: Senior Thesis**4 semester hours**

Senior thesis for students in pregraduate history program.

Members of the Department.

ECONOMICS**20-0. Contemporary Economic Society****8 semester hours**

The basic principles governing the operation of our economy. Introduction to the primary laws of economics through a description of the operation of the price system under conditions of free competition, monopoly, and governmental regulation. Problems of money, prices, population, government finance, depressions, inflation, income distribution, and international trade. A basic course for students in the School of Social Science. Lectures and discussion. Members of the Department.

31-1. Elements of Statistics**4 semester hours**

A "non-mathematical" beginning course in statistical methods. Brief treatments of data collection and presentation, together with a more detailed and extensive cov-

* Offered in alternate years.

erage of data analysis, including measures of central tendencies, dispersion, sampling reliability, and simple linear correlation. Lectures, discussion, and exercise work.

MR. NICHOLS.

32-2. Economic and Social Statistics

4 semester hours

An advanced course in statistical methodology and an introduction to the theory of statistics, with special application to sampling reliability and control study, multiple and partial correlation, linear programming, the derivation and application of index numbers, and time series, together with time series correlation, and the derivation and application of certain business measures based on financial statements. Lectures, discussion, and exercise work. MR. NICHOLS.

Business Statistics, see Business Administration 36.

35-2. Money and Banking

4 semester hours

Money, credit, financial institutions, with emphasis on commercial banks and the Federal Reserve System. The relation of monetary and fiscal policy to price levels and economic fluctuations. Historical backgrounds, theory, problems, and policy emphasized. MR. SMITH.

Prerequisite: Economics 20.

36-1. Labor and Industrial Relations

4 semester hours

History and present status of unionism in the United States, labor-management relations, and the evolution of public policies; economic issues in collective bargaining; the impact on labor, management, and the public of automation, changing patterns of economic activity, and related developments. MR. ROSEN.

Prerequisite: Economics 20.

38-1. Economics of Consumption*

4 semester hours

The influences acting on the consumption of wealth and the place of consumption in the economic system; the forces that determine how, what, where, and why consumers buy; the structure of the market in which consumers buy; and the methods—legislative, cooperative, and otherwise—to improve the position of consumers. Discussion and reports. MR. NICHOLS.

Prerequisite: Economics 20.

[39-1. International Economics*

4 semester hours

Economic principles underlying foreign trade, showing why trade takes place between regions and countries and the mutual gains from such trade. Commercial policy in the United States, relating tariff and other trade policies to their political background. How goods and services are paid for between nations; the effect of trade on prices and production. International investments and foreign aid programs. Current developments, such as the Common Market.

Prerequisite: Economics 20.

Not offered in 1964-65.]

* Offered in alternate years.

41-2. Intermediate Economic Theory

4 semester hours

Advanced study of problems and methods in price-setting and income distribution; input-output analysis and the study of structural problems and relations; case studies of firms and industries; market structures, decisions, and dynamics. MR. ROSEN.

Prerequisite: Economics 20.

42-1. Investments*

4 semester hours

Closely related to *Economics 43, Corporation Finance*. Securities from the investor's point of view, including securities issued by business enterprises of various types and by governmental units. Investment programs, methods of evaluating individual securities, the markets for securities, and factors affecting the levels of security prices.

MR. SMITH.

Prerequisite: Economics 20.

[43-2. Corporation Finance*

4 semester hours

The problems and policies of the modern corporation in the field of finance. Methods of attracting the original capital, determining the proper capitalization, types of securities and marketing them, financing the current operations of the business enterprise, sources and uses of short-term credit, distribution of the corporate income, expansion, consolidation, and failure, government control of corporate financing.

Prerequisite: Economics 20.

Not offered in 1964-65.]

[44-2. Government and Business*

4 semester hours

The economic, legal, and social aspects of government regulation in the United States applied to production, consumption, distribution, and exchange. Common law background, statutory enactments and court interpretations pertaining to such areas as anti-trust, banking and securities institutions, the regulation of prices including the setting of rail and utility rates, international combinations, and fair trade laws. The social and economic aspects of public compared to private ownership of utilities in the United States. Lectures, discussion, and term papers.

Prerequisite: Economics 20.

Not offered in 1964-65.]

45-2. Economic Development

4 semester hours

The meaning of "underdevelopment"; problems faced by emerging economies, and assessment of alternative systems for solving them; role of the industrialized nations in development; competition and cooperation among power blocs and developing economies; international institutions and the future of development. MR. ROSEN.

Prerequisite: Economics 20.

63-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

* Offered in alternate years.

SOCIOLOGY

20-1, 2. Introduction to Sociology

4 semester hours

Theoretical analysis of social structure, social functions and dysfunctions, conformity, deviation, and social change. Factual emphasis on the institutions of "total" societies, thus on family and other kin groups, economic and political institutions, religion, and social classes. Emphasis on large "advanced" societies, but some attention also to primitive (non-literate) societies. MR. HODZID, MR. -----.

31-2. The Family

4 semester hours

The structural principles necessary in all kinship systems, with brief treatment of the most important ranges of variation. Readings on marriage and the family in various societies. Main emphasis on courtship, marriage, and the family in the United States; basic structural characteristics, trends of change, and "practical" problems insofar as sociology can illuminate them. MR. -----.

Prerequisite: Sociology 20.

32-1. Minorities in Urban Society

4 semester hours

Major focus on the urban setting and on problems arising out of minority group membership. Examination of the dynamics and the distribution of individual problems brought on by minority group membership and the consequences of minority group relations for urban society. Selected topics, including the causes and consequences of prejudice and discrimination, the institutional patterns of intergroup relations, and the evaluation of strategies to reduce prejudice and discrimination, with emphasis on the individual, social, and cultural levels. MR. HOZID.

Prerequisite: Sociology 20.

34-2. Social Problems

4 semester hours

The impact of industrial society upon the origin and development of social welfare. Major emphasis on the evolution of urban-industrial society and of the social problems emerging therefrom, with special attention to the growth and extension of organized humanitarian efforts in the United States and elsewhere. MR. HOZID.

Prerequisite: Sociology 20.

36-1. Crime and Delinquency

4 semester hours

An examination of the social and environmental influences in the genesis of delinquent and criminal behavior along the casual-career continuum. The adequacy of the apprehension, detention, imprisonment, and rehabilitation of offenders. Specific topics include: the meaning of criminology, methods and techniques of analysis, the social structure and crime, selected patterns of criminal activity, the administration of justice, the reform and prison community, treatment, prediction, and prevention. MR. HOZID.

Prerequisite: Sociology 20.

38-2. Seminar in Analysis of Community Problems

4 semester hours

The urban community substantively and analytically. Under substantive: education, family, work, leisure, religion, government, and social welfare; under analytical: social

class, leadership, and power structure. Such community problems as alcoholism, crime and delinquency, family breakdown, and school drop-outs; also models of analysis and concern with diagnosis and with alternative methods of changing situations. Seminar readings and discussions supplemented by an investigation of one carefully selected area, the specific topic to reflect the current research interests of the instructor. Research, usually of a field-work nature, generally required, but a knowledge of statistics *not* assumed. MR. HOZID.

Prerequisite: 8 semester hours in sociology or consent of the instructor.

Enrollment: limited.

39-1. Seminar in Sociological Analysis of the School

4 semester hours

An analysis of problems and issues in education from a sociological point of view. Consideration of the various roles involved, such as parent, student, teacher, administrator, and guidance personnel, as well as school-community relationship and differential organizational arrangements. The general function of education in an urban society to be the general framework, with such selected topics as role conflict, social and educational mobility, the school, and behavioral problems, with special emphasis on the culturally deprived child. Seminar readings with discussions supplemented by exploring a carefully delimited area with the specific topic selection reflecting the current research interests of the instructor. Research, field or library, generally required, but a knowledge of statistics *not* assumed. MR. HOZID.

Prerequisite: *Sociology 20* or consent of the instructor.

Enrollment: limited.

40-1. Introduction to the Fields of Social Work

4 semester hours

Fields of social work, their background, and present status and goals. A discussion group to acquaint students with the social agencies and institutions, and the conditions and concepts from which they have emerged. Field trips to observe welfare work.

Open to third- and fourth-year students and to graduate students who are interested in social work and allied fields. MR. RUTHERFORD, MISS KELLEY.

GOVERNMENT

21-1. Government in the United States — Federal System

4 semester hours

Analysis of the institutional development of American national government, emphasizing the Presidency, Congress, and the Supreme Court. Special attention to the political process, parties, pressure groups, and the bureaucracy. MR. MILES.

22-2. Government in the United States — Urban and State Politics

4 semester hours

The policy-making process and governmental problems experienced by state and by city and town governments. Major emphasis upon the systems in the Commonwealth of Massachusetts and the urban centers around Boston. Problems include governmental responsibility and authority, constitutional changes, transportation, urban development and planning, housing, and health. Lectures on specific problems, studies of several states and metropolitan areas, and publications of the states and

urban centers. Observations of some phases of each governmental system in action. MRS. MILBURN.

23-1. Classical and Early Modern Political Theory

4 semester hours

The central themes and principles of classical political thought, Christian variations on the classical themes, and the nature of the rationalist break with that thought during the Renaissance and Enlightenment. Among the philosophers considered: Plato, Aristotle, Cicero, Augustine, Aquinas, Machiavelli, Hobbes, Locke, and Rousseau. MR. TOLLEFSON.

24-2. Political Theory During the Last Two Centuries

4 semester hours

The main tendencies in political thought during the last two centuries, in particular the underlying principles of the historical, positivist, and existential schools of thought, concluding with an examination of the principles underlying the behavioral and social sciences today. Among the philosophers and thinkers: Mill, Marx, Nietzsche, Freud, Dewey, Niebuhr, and Kelson. MR. TOLLEFSON.

30-1. Governments in the Modern World — European

4 semester hours

The two extreme patterns for governmental structure—representative democracy and dictatorship—and the institutions and procedures through which governmental decisions are made. The systems of some western and eastern European states and comparative analyses of their decision-making processes. MRS. MILBURN.

31-2. Governments in the Modern World — Asian and African

4 semester hours

Problems faced by some of the old and new indigenous governments in Asia and Africa. The success of attempts to incorporate representative-democratic features in areas which had not known, to any extent, such governmental responsibilities. Sources for the course include a number of related books and visiting lecturers.

MRS. MILBURN.

32-2. International Relations

4 semester hours

The nation state as the unit of international relations; the elements which give substance to the foreign policy of the nation state; the limitations of international law, organization, and opinion on actions of nation states; the essential policies of major powers; problem areas in the present-day world, and problems such as disarmament, atomic energy, and east-west trade. MR. TOLLEFSON.

40-1. Public Administration

4 semester hours

Basic principles, practices, and problems of administrative organization and management in modern American governmental units. MR. MILES.

41-2. Seminar in Public Administration

4 semester hours

Basic problems in American administrative experience such as planning, personnel practices, organization and methods procedures, and budgeting. Individual or group reports. MR. MILES.

Prerequisite: consent of the instructor.

42-1. Public Opinion, the Mass Media, and American Democracy**4 semester hours**

Participation of the modern communications media in American politics. The role of public opinion in obtaining thoughtful deliberation and wise decision making from political leaders working in the modern media setting. Media participation in the election process and the problem of media control within the constitutional framework. MR. TOLLEFSON.

43-1, 2. Reading and Research**Credit to be arranged**

Open to students in governmental affairs wishing to do advanced work in the area with a member of the government department. Members of the Department.

Prerequisite: consent of the Director.

44-2. Science and Government**4 semester hours**

The impact of scientific development on the United States government. Public policy in this area including personnel, security arrangements, atomic development, and administration, with emphasis on the role of the scientist in politics and the special problems involved in research and development. MR. MILES.

45-1. Modern Political Parties**4 semester hours**

Effect of parties in the governmental process. Comparisons of party structures and functions in various governmental systems including experiences of the United States, and European and developing countries. Some emphasis upon local, regional, and national orientations. Analysis of the one-party, two-party, and multiparty systems.

MRS. MILBURN.

65-2. Directed Study: Senior Thesis**4 semester hours**

Members of the Department.

American Foreign Policy, see History 31-1.

American Constitutional History, see History 37-2.

Philosophy and Psychology

PHILOSOPHY

20-1. Problems of Philosophy**4 semester hours**

Important philosophic problems and some of the dominant modes of thought exemplified by individual thinkers. Readings from the pre-Socratics, Plato, Aristotle, Augustine, Descartes, and Hume. MR. ANDERSON.

21-2. Logic and Knowledge**4 semester hours**

Argument and inference, inquiry and truth—the nature of formal and material knowledge. Initial work with classical modes of reasoning and with elementary techniques of propositional logic leads to such questions as definition, language and validity, explanation and verification, and the grounds of belief. MR. ANDERSON.

Students are urged to take either *Philosophy 20* or *21*, whenever possible, before taking any of the following courses.

22-2. Philosophy of Religion

4 semester hours

Consideration of the meaning and value of religious belief. Brief study of primitive religion and of selected features of world religions leads into sustained evaluation of the basic concepts within the Judaeo-Christian tradition. MR. ANDERSON.

[23-1. Modern Philosophy

4 semester hours

Reading and discussion of important philosophers from the Renaissance to Kant. Emphasis is placed on the relations of individual viewpoints to wider currents of modern thought, as well as on the critical study of original works.

Prerequisite: *Philosophy 20* or *21*, or consent of the instructor.

Not offered in 1964-65.]

24-1. Ethical Theories

4 semester hours

Study and criticism of some representative conceptions of the right and the good, freedom and responsibility, justice and power, aiming primarily at awareness and understanding of recurrent problems, rather than at comprehension of total philosophical viewpoints. MR. ANDERSON.

25-2. American Philosophy

4 semester hours

Outstanding nineteenth and twentieth century interpretations of man and his place in nature, from Post-Darwinian Naturalism and Idealism to present-day radical criticisms of traditional philosophy advanced by Positivism and Existentialism. Works read and studied include selections from Peirce, James, Santayana, Whitehead, Dewey, and Blanshard. MR. ANDERSON.

Prerequisite: *Philosophy 20* and *23*, or consent of the instructor.

26-1. Man, Self, and Society

4 semester hours

Readings in selected philosophies of mind and human nature, including such writers as Marx, Schopenhauer, Spencer, Nietzsche, Bergson, Dewey, and Ryle.

MR. ANDERSON.

[27-2. Philosophy of History

4 semester hours

A study of several conceptions of historical inquiry and its object—the nature of historical knowledge and the meaning of history. Readings from Hegel, Croce, Niebuhr, Beard, and Popper.

Not offered in 1964-65.]

30-1. Philosophy of Science I

4 semester hours

An examination of the uses and limitations of science. Some basic work with language, definition, and formal inference introduces study of the logic of explanation.

MR. ———.

31-2. Philosophy of Science II

4 semester hours

A critical study of the philosophical implications of some modern theories of nature.

MR. ———.

Prerequisite: *Philosophy 30*, or consent of the instructor.

PSYCHOLOGY**20-1, 2. Introduction to Psychology****4 semester hours**

Methods of studying the major dimensions of human behavior: learning, perception, motivation, personality. The possibilities of a science of human behavior, and its implications. Criteria for interpreting behavioral data and evaluating theories. Members of the Department.

30-1, 2. Child Psychology**4 semester hours**

History of child psychology. Theoretical, experimental, and normative approaches to the understanding of development. Observation and interpretation of child behavior. Implications of current knowledge and theory for child rearing and education.

MR. LOWE.

*Prerequisite: Psychology 20.***31-1, 2. The Psychology of Adjustment****4 semester hours**

Factors which affect development of personality leading to normal adjustment or to maladjustive and neurotic behavior with emphasis on the process of learning as basic. Psychotherapy, psychosomatic, and conduct disorders considered. MISS JONES.

Prerequisite: Psychology 20. This course is open only to upperclass students.**32-2. Physiological Psychology****4 semester hours**

A survey of the existing information regarding various behavior mechanisms—homeostasis, sensory processes, learning, motivation, emotions, sleep, and personality disorders. MR. ZIGLER.

*Prerequisite: Psychology 20 and Biology 25.***33-2. The Psychology of Adolescence****4 semester hours**

A systematic interpretation of adolescent development and behavior. Major theories compared and critically evaluated. Applications to teaching and guidance. Some educational psychology material included; emphasis on current developments in cognitive learning theory. Lectures, discussion sections, field projects. MR. DUNBAR.

*Prerequisite: Psychology 20.***34-1, 2. Experimental Psychology****4 semester hours**

The problems involved in the design and execution of psychological experiments.

MR. ———.

Prerequisite: Psychology 20. This course is open only to upperclass students.**40-1, 2. Social Psychology****4 semester hours**

Attitudes, beliefs, and values as they are influenced by the individual's social affiliations; the psychological analysis of group organization, morale, and leadership; a survey of the belief systems of representative social groups; the dynamics of social action and interaction: propaganda, mass behavior, and social conflict. MR. NEEDHAM.

Prerequisite: Psychology 20, and Sociology 20 or Psychology 31.

41-1. Principles of Psychological Measurement

4 semester hours

The nature, uses, and limitations of the fundamental varieties of psychological measurement, including some practice in test construction and administration. Elective for fourth-year students. MR. DEANE.

Prerequisite: Psychology 20 and Economics 31 and 32. Recommended: an additional elective in psychology.

42-2. Seminar in Clinical Psychology

4 semester hours

A dynamic approach to the study of human behavior through scoring and interpreting Thematic Apperception and Rorschach protocols. Case histories illustrating the major symptom-syndromes are analyzed from a diagnostic and therapeutic viewpoint.

Each student is required to present interpretive material giving evidence of understanding of psychodiagnostic procedures and of fundamental psychotherapeutic principles. Elective for fourth-year students with the approval of the instructor.

MR. DEANE.

Prerequisite: Psychology 31 and 41, plus an additional elective in psychology.

43-1, 2. Personality Theory

4 semester hours

Examination of various determinants of current systematic interpretations of personality, including psychoanalytic, social psychological, need and stimulus-response theories. MISS JONES.

Prerequisite: Psychology 31. *Enrollment:* limited to fifteen students.

50-1, 51-2. Psychological Field Work

4 or 8 semester hours

Field work in hospital-clinical or business and industrial settings. This course is given outside the college. Lectures by staff personnel; testing and research work under supervision.

Prerequisite: Psychology 32, and Economics 31 and 32. This course is open only to seniors in the Psychological Measurements programs, with consent of the Chairman of the Division.

65-2. Directed Study: Senior Thesis

4 semester hours

Members of the Department.

Science**BIOLOGY****10-0. General Biology**

8 semester hours

Fundamentals of structure, functions, general biological laws, and theories about living organisms. The development of various aspects of theoretical biology and their application to individuals, populations, and species; the life of populations and communities; and the history, science, and philosophy of evolution, with emphasis on the evolution of man. Details of cell, tissue, and system biology. Laboratory work (both plant and animal) emphasizes the modern knowledge of biophysics and biochemistry. This course or its equivalent is a prerequisite for all other courses offered by the Department of Biology. MR. SOLINGER, MR. TUTTLE, MR. -----.

21-2. Microbiology

4 semester hours

The nature and types of microorganisms, the methods of effective microbial control, and theoretical and practical immunology. The microorganisms causing important human diseases are studied in detail. MISS COGHLAN, MR. ———.

Prerequisite: Biology 10 and at least one year of college chemistry.

22-1. Human Anatomy

4 semester hours

Principles of structure of the human body, both gross and microscopic, together with an elementary presentation of human embryology. The laboratory work includes the dissection of the cat as a typical mammal, with emphasis on comparisons to human structure. MR. SHEPRO.

Prerequisite: Biology 10.

23-1. Vertebrate Morphology I

4 semester hours

The essential features of functional vertebrate anatomy together with the evolutionary history of vertebrates. Emphasis is on gross anatomy. MR. SHEPRO.

Prerequisite: Biology 10.

24-2. Vertebrate Morphology II

4 semester hours

A continuation of Biology 23 with the emphasis on micro and developmental anatomy. MR. SHEPRO.

Prerequisite: Biology 23.

25-1. The Human Nervous System

4 semester hours

A discussion of the fundamental structure, development, and function of the human nervous system. Primarily for students in the Psychology pregraduate curriculum of the School of Education and in the Psychological Measurements program of the School of Social Science. MR. RICHARDSON.

Prerequisite: Biology 10.

31-2. General Physiology

4 semester hours

The nature and present status of the basic problems and methods of physiology, with emphasis on the principles of physiology common to most organisms and the general phenomena of life which have been successfully analyzed in physicochemical terms. For students in the School of Science. MR. SOLINGER.

Prerequisite: Biology 10 and Chemistry 11 or 12.

32-1. Basic Bacteriology

4 semester hours

Bacterial cytology, morphology, classification, and physiology. Laboratory work is devoted to the development of the essential techniques of microscopic examination and bacterial culture as they are utilized in the study of crude and pure cultures, and in problems of bacterial identification, sanitation, testing of disinfectants and antibiotics. For students in the School of Science. MISS COGHLAN.

Prerequisite: Biology 10 and at least one year of college chemistry.

34-2. Human Physiology

4 semester hours

Fundamental facts of physiology, its principles and modes of reasoning, together with certain clinical applications. Physiology of the human body is considered in detail. The laboratory includes individual work on contractile and nerve tissues, circulation, respiration, and sense organs. MISS WEIANT, MR. ———.

Prerequisite: Biology 22 and at least one year of college chemistry.

40-0. Experimental Biology

8 semester hours

Open to fourth-year students in the School of Education specializing in the secondary school teaching of biology.

Prerequisite: consent of the Chairman of the Department of Biology.

41-0. Biochemistry

8 semester hours

The chemical processes that take place not only in animals, but also in plants and microorganisms, the composition of protoplasm and the intricate biochemical reactions by which it is formed, broken down, and enabled to function, and the principles of physical and organic chemistry upon which biochemistry as such is based. Topics covered include proteins, enzymes, biological oxidation, the intermediate and general aspects of metabolism. The laboratory is used to study principles discussed in lectures, and the application of modern instrumental analysis in biochemical procedures. MR. RICHARDSON, MISS WEIANT.

Prerequisite: Biology 31 and Chemistry 31.

42-2. Cytology and Histology

4 semester hours

The microscopic structure of the cell, cellular organization, and tissues, with emphasis on the relationship of structure to function. Laboratory exercises include training in microscopy and in cytological, histological, and histochemical techniques.

MR. SHEPRO.

Prerequisite: Biology 22 or 23.

45-1. Pathogenic Bacteriology

4 semester hours

Principles and methods of isolating and identifying pathogenic bacteria; detailed laboratory diagnostic procedures for certain representative groups of bacterial pathogens. Emphasis is on theory. Principles of biostatistics are introduced and used as a tool in the course. For fourth-year students specializing in biology and others with the permission of the Chairman of the Department. MR. ———.

Prerequisite: Biology 21 or 32 or the equivalent.

46-2. Immunology and Virology

4 semester hours

Specific and broad principles of immunology and epidemiology and their relation to the public health control of infectious disease; serologic tests used in the diagnosis of human disease and representative virologic and tissue-culture techniques are performed. MISS COGHLAN, MRS. DANIELS.

Prerequisite: Biology 45.

47-1. Parasitology and Mycology

4 semester hours

The study of animal parasites—the pathogenic protozoa, the helminthes, and the arthropods that cause or carry disease and the morphology, classification, and physiology of the fungi. MISS COCHLAN.

Prerequisite: Biology 32.

49-1. Applied Physiology

4 semester hours

An advanced course designed especially for physical therapy students and presupposing a general knowledge of human physiology. Two hours of lecture and two three-hour laboratory periods per week emphasizing biomechanics, peripheral circulation, peripheral nerve and muscle physiology, local and general responses to temperature, radiation, and exercises. Laboratory work in experimental procedures and demonstrations illustrating the physiological responses to physical agents and their measurement. MISS WEIANT.

Prerequisite: Biology 31 or its equivalent.

51-0. Seminar-Research in Biology

2 semester hours

Required of all fourth-year students specializing in biology. Talks given whenever possible by distinguished scientists from other institutions. Third-year students are welcome and urged to attend. Selection of a modest research project and preliminary search of the scientific literature, followed by the necessary experimental work required for the solution of the problem. Members of the Department.

CHEMISTRY**11-0. General Chemistry**

8 semester hours

Both inorganic and organic materials are considered, as well as the fundamental principles upon which the science is based. MR. TIMM, MRS. BRAUNER, MRS. HARTMAN, MR. MILLER, MRS. PRATT.

12-0. General Chemistry (Advanced)

8 semester hours

Development of modern theories which explain and correlate the descriptive facts of chemistry. Students who have successfully completed a year of chemistry in secondary school and who intend to take more advanced courses in chemistry should elect this course. MR. TIMM, MISS BECK, MRS. HARTMAN, MR. GOLDBERG, MRS. PRATT.

20-1. Organic Chemistry

4 semester hours

A study of the basic reactions of aliphatic and aromatic compounds, planned to give a background for *Chemistry 21*. Laboratory work emphasizes the general elementary techniques. Primarily for students in the School of Home Economics.

MRS. WADSWORTH.

Prerequisite: Chemistry 11 or 12.

21-2. Biochemistry

4 semester hours

Includes the study of the structures, reactions, and the role in metabolism of carbohydrates, lipids, proteins, enzymes, and hormones. MRS. WADSWORTH.

Prerequisite: Chemistry 20.

[25-2. Analytical Chemistry]**4 semester hours**

Designed to integrate the qualitative identification with quantitative determination of the components present in various materials. Rigorous theory developed in the classroom accompanied by correlating laboratory exercises selected to help the student become a good analyst. Some instrumental analysis.

Prerequisite: Chemistry 11 or 12.

Not offered in 1964-65.]

31-0. Organic Chemistry**8 semester hours**

Emphasizes the fundamental reactions of aliphatic and aromatic compounds. Assigned problems in the synthesis and identification of organic compounds give practice in the application of the principles under study. Laboratory work gives practice in the elementary techniques of organic chemistry and in the synthesis of representative compounds. MISS GRANARA, MR. GOLDBERG, MRS. JACOBSON.

Prerequisite: Chemistry 11 or 12.

41-0. Physical Chemistry**8 semester hours**

The modern theories of the structure of matter, of the changes which it undergoes, and of the energy relationships involved. Correlation of the descriptive facts of both organic and inorganic chemistry constituting one of the most potent means which the chemist uses in the solution of his problems. MR. TIMM, MR. GOLDBERG.

Prerequisite: Chemistry 11 or 12, and Mathematics 20, or consent of the instructor.

42-2. Advanced Organic Chemistry**4 semester hours**

The application of modern structural theories to the study of reaction mechanisms. MISS BECK.

Prerequisite: Chemistry 31.

44-1. Qualitative Organic Chemistry**4 semester hours**

Identification and characterization of organic compounds with emphasis on laboratory techniques. MISS BECK.

Prerequisite: Chemistry 31.

45-2. Advanced Analytical Chemistry**4 semester hours**

Instrumental methods of analysis including: spectrophotometric, spectrographic, polarographic, conductometric, and radiometric, as well as an extension of the potentiometric methods included in *Chemistry 25*. Chelometry, solvent extraction, chromatography, and ion-extraction techniques will be considered as time permits.

MRS. BRAUNER.

Prerequisite: Chemistry 25 and 41.

46-1. Biochemistry**4 semester hours**

A study of the chemical constituents of living matter, their functions and transformations, and the chemical and energy changes accompanying these transformations. Proteins, carbohydrates, and lipids will be discussed with emphasis on chemistry, structure, and intermediary metabolism. An understanding of kinetics and thermodynamics is desirable. MRS. HARTMAN.

Prerequisite: Chemistry 31 and 41.

47-2. Radiation Chemistry

4 semester hours

Nuclear structure and particles, radioactivity, nuclear-radiation detection followed by the use of radioisotopes, principles of radiometric analysis, isotope dilution methods, "hot" atom chemistry, measurement of radiation effect, and applied radiochemistry and tracer chemistry.

Laboratory experiments in sample preparation techniques, detection of the measurement of the properties of alpha, beta, and gamma rays by Geiger, proportional, and scintillation methods; use of radioisotopes in the study of simple and complex equilibria, the study of phase diagrams, tracer techniques, and the preparation of "tagged" molecules. MR. VERNON, MRS. BRAUNER.

Prerequisite: Mathematics 20, Physics 10 or 11, and Chemistry 25 and 31.

50-0. Undergraduate Research Project

Credit to be arranged

Open to fourth-year students specializing in chemistry. Selection of a modest research project and a preliminary search of the scientific literature, followed by the laboratory work required for the solution of the problem. Members of the Department.

Prerequisite: consent of the Chairman of the Department.

51-0. Seminar in Chemistry

2 semester hours

Required of all fourth-year students specializing in chemistry. Special topics selected from recent chemical literature presented by members of the Department and students. Insofar as possible, talks are given once a month by scientists from industry or other institutions. Third-year students are welcome and urged to attend. Members of the Department.

MATHEMATICS**10-1. Calculus I and Review Topics**

4 semester hours

Coordinates, lines, and conics. Differential and integral calculus of algebraic functions. Applications to maxima, minima, areas, volumes, and physical problems. Review topics in algebra and trigonometry. Members of the Department.

Prerequisite: high school algebra and geometry.

11-2. Calculus II and Review Topics

4 semester hours

Polar coordinates; parametric equations. Calculus of transcendental functions. Technique of integration. Indeterminant forms, improper integrals, and applications. Members of the Department.

Prerequisite: Mathematics 10.

12-1. Calculus I

4 semester hours

Same topics as *Mathematics 10* except for omission of review topics in algebra and trigonometry. Intended for the student with superior high school preparation. Members of the Department.

Prerequisite: high school algebra, geometry, trigonometry, and placement by the Department.

13-1, 2. Calculus II

4 semester hours

Same topics as *Mathematics 11* except for omission of review topics. Members of the Department.

Prerequisite: Mathematics 12.

20-1, 2. Calculus III

4 semester hours

Coordinate geometry of three dimensions. Infinite series, partial derivatives, multiple integration, and applications. Members of the Department.

Prerequisite: Mathematics 11 or 13.

21-2. Finite Mathematics

4 semester hours

Mathematical logic, algebra of sets, combinatorial problems and elementary probability theory, vectors and matrices. Applications to social and behavioral sciences. MR. HITCHCOCK.

Prerequisite: Mathematics 10 or 12, or consent of the Department.

30-1. Differential Equations

4 semester hours

Methods of solving ordinary differential equations. First order equations, higher order equations, and linear differential equations. Applications to the sciences. MR. DESUA.

Prerequisite: Mathematics 11 or 13.

31-2. Probability and Statistics

4 semester hours

Elements of probability theory. Binomial, Poisson, Gaussian, and other distribution functions. Measures of central tendency, correlation, and significance tests.

MR. DESUA.

Prerequisite: Mathematics 11 or 13.

32-1. Modern Geometry

4 semester hours

Axiomatics and the foundations of geometry. Modern Euclidean, projective, and non-Euclidean geometries. MISS WALTER.

Prerequisite: Mathematics 11 or 13, or consent of the Department.

33-2. Applied Mathematics

4 semester hours

Selected topics from infinite series; Fourier series and integrals; Laplace transforms; gamma, beta, and Bessel functions; vector analysis; and others. Applications to the sciences. MR. DESUA.

Prerequisite: Mathematics 30.

34-1. Linear Algebra

4 semester hours

Linear vector spaces, linear transformations, matrix theory, inner products, and applications. Selected topics from dual spaces, bilinear functions, quadratic forms, determinants, and eigenvalues. MR. LEVERICH.

Prerequisite: Mathematics 21, or consent of the Department.

PHYSICS

35-2. Complex Variables

4 semester hours

The complex number system. Analytic functions, differentiation, and the Cauchy-Riemann equations. Complex integration, Taylor and Laurent series, residues. Conformal mapping. MR. BROWN.

Prerequisite: Mathematics 20.

40-1. Introductory Modern Algebra

4 semester hours

Number systems and their extensions. The elements of groups, rings, integral domains, and fields. Selected other topics. MR. BROWN.

Prerequisite: Mathematics 21, or consent of the Department.

41-2. Numerical Methods

4 semester hours

Numerical solution of polynomial equations. Differences and interpolation. Numerical differentiation and integration. Techniques of programming digital computers. Programming practice at the M.I.T. Computation Laboratory. MR. HITCHCOCK.

Prerequisite: Mathematics 11 or 13.

42-1. Advanced Calculus I

4 semester hours

Concepts of analysis; limits, continuity, sequences and series, the Riemann integral, functions of several variables, and other selected topics. MR. LEVERICH.

Prerequisite: Mathematics 20.

43-2. Advanced Calculus II

4 semester hours

A continuation of *Mathematics 42*. MR. LEVERICH.

Prerequisite: Mathematics 42.

45-2. Selected Topics in Advanced Mathematics

4 semester hours

The content of this course is determined in part by the needs and interests of the students. Offered only if there is sufficient demand. Members of the Department.

Prerequisite: consent of the Department.

Seminar in Mathematics

Selected topics in mathematics. Required of all third- and fourth-year students specializing in mathematics or the teaching of mathematics. Members of the Department.

PHYSICS

10-0. Elementary Physics

8 semester hours

Lectures, demonstrations, and laboratory work in mechanics, heat, sound, electricity, optics, and atomic physics. Members of the Department.

Prerequisite: high school algebra.

11-0. General Physics

8 semester hours

Lectures, lecture demonstrations, and laboratory work in mechanics, heat, light, electricity and magnetism, and atomic physics. Calculus is used. Members of the Department.

Prerequisite: Mathematics 11 or 13.

21-2. Electricity and Magnetism

4 semester hours

Topics chosen from among electrostatics, Gauss's Law, dielectrics, steady currents, magnetic field of a current, motion of charges in a magnetic field, electromagnetic induction, Maxwell's equations, magnetic materials, Poynting vector, electromagnetic radiation. MR. VERNON.

Prerequisite: Physics 10 or 11 and Mathematics 20.

23-1. Mechanics

4 semester hours

Topics chosen from among dynamics of a particle, systems of particles, rigid bodies, gravitation, moving coordinate systems, and mechanics of continuous media.

MR. VERNON.

Prerequisite: Physics 10 or 11 and Mathematics 11 or 13.

33-1. Optics*

4 semester hours

Class and laboratory work in reflection, refraction, lenses, diffraction, interference, polarization, and dispersion. MR. -----.

Prerequisite: Physics 10 or 11 and Mathematics 20, or consent of the instructor.

35-2. Thermal Physics*

4 semester hours

First and second laws of thermodynamics, the concepts of entropy, work function, and thermodynamic potentials, kinetic theory of gases, transport phenomena, Maxwellian distribution of velocities, classical and quantum statistical mechanics.

MR. -----.

Prerequisite: Physics 10 or 11 and Mathematics 30.

[36-1. A.C. Circuits and Electronics I*]

4 semester hours

Class and laboratory chosen from among transient response of circuits, A.C. circuits and the use of complex numbers in circuit analysis, the mechanism of various types of electron emission, vacuum tubes, rectifiers, amplifiers, double triode on-off circuits, non linearity and heterodyning, electrical properties of semiconductors, lattice vibrations, band theory, and transistors.

Prerequisite: Mathematics 20 and Physics 10 or 11.

Not offered in 1964-65.]

[37-2. A.C. Circuits and Electronics II*]

4 semester hours

A continuation of *Physics 36*. Class and laboratory work.

Prerequisite: Physics 36.

Not offered in 1964-65.]

42-1. Atomic Physics*

4 semester hours

Class and laboratory work in radiation, the Bohr model, de Broglie waves, spectra, electron configuration of the elements, special relativity; introduction to quantum mechanics. MR. VERNON.

Prerequisite: Physics 23 (completed or taken at the same time) and Mathematics 20.

* Offered in alternate years.

43-2. Nuclear Physics*

4 semester hours

Class and laboratory work in radioactivity, elementary particles, transmutation, nuclear structure, and cosmic rays. MR. VERNON.

Prerequisite: *Physics 21* (completed or taken at the same time) and *Physics 42*.

[44-1. Theoretical Physics I*

4 semester hours

Topics in mechanics, electromagnetism, and statistical mechanics for which there was not enough time in the previous courses, such as Lagrange's and Hamilton's equations, canonical transformations, matrices, rigid body motion, radiating electric dipole, quantum statistics, quantum mechanics, and boundary value problems.

Prerequisite: *Physics 21*, *23*, and *Mathematics 20*.

Not offered in 1964-65.]

[46-2. Theoretical Physics II*

4 semester hours

A continuation of *Physics 44*.

Prerequisite: *Physics 44* and *Mathematics 30*.

Not offered in 1964-65.]

50-0. Research in Physics

2-8 semester hours

An investigation of some special topic involving a literature search and also probably some experimental work culminating in a thesis. Open only upon invitation.

Members of the Department.

Seminar in Physics

Current topics in physics. Required of third- and fourth-year students majoring in physics. Members of the Department.

PHYSICAL THERAPY**Physical Therapy Orientation**

The field of physical therapy including historical background, current procedures, illustrative case histories, and observation of treatment at the Children's Hospital Medical Center. Required for second-year students in the physical therapy program.†

Classes in physical therapy are held in affiliating hospitals, and are not open to students in other programs of the College.

The following courses, given in the final year and a half, are designated by the numbers 1, 2, and 3 respectively, following the dashes, to correspond to the semesters in which courses are given. (The third semester begins in the summer and continues until the end of the program.) For example, 12 following the dash indicates a course extending through the first and second semesters.

* Offered in alternate years.

† During 1964-65, also required for third-year students in the physical therapy program.

30-12. Advanced Human Anatomy

12 semester hours

Dissection of anatomical material. Lectures to correlate the anatomy of the skeletal and neuromuscular systems with functional considerations. Dissection is performed by the students. DR. TACHDJIAN and associates.

32-2. Psychology of the Handicapped

1 semester hour

Psychology as applied to individual differences, development, growth, and adjustment. Psychodynamic mechanisms with special reference to disease and trauma. DR. HACKETT and Members of the Department of Psychiatry, Massachusetts General Hospital.

33-23. Orthopedic and General Surgery

4 semester hours

Nature, clinical course, and specific treatment of selected diseases and disabilities, primarily those affecting the skeletal and neuromuscular systems. DR. GREEN, DR. TROTT, DR. COLODNY, and associates.

34-3. Neurology

1 semester hour

Neuroanatomy and neurophysiology of the central, peripheral, and autonomic nervous systems. Correlation with common diseases and traumatic lesions, particularly those affecting locomotion, with symptomatology and treatment. DR. WATKINS.

35-3. Medicine

1 semester hour

Illustrated lectures on general medicine with special emphasis on those conditions in which physical therapeutic measures are effective. DR. FORD, DR. HAGGERTY, and associates.

36-3. Psychiatry

1 semester hour

Classification of mental disease with symptomatology, prognosis, and principles of treatment. Illustrative case histories. DR. PRAGER.

37-2. Pathology

2 semester hours

Illustrated lectures concerning the nature and certain causes of disease, the reactions of the body to deleterious agents, and associated alterations in function. DR. COHEN.

39-12. Electrotherapy

2 semester hours

The physical nature and physiological effects of radiant energy and various electrical currents of diagnostic and therapeutic value. Indications for use and technique of application. Lecture, demonstration and laboratory practice. DR. SHRIBER, MISS HALL.

40-1. Massage

2 semester hours

Principles and techniques of massage, and its application in physical therapy. Lecture, demonstration, and laboratory practice. MISS HALL.

41-123. Therapeutic Exercise

8 semester hours

Classification, purposes, and principles of exercise as a therapeutic agent. Techniques of performance. Anatomical, mechanical, and physiological aspects of motor activity and procedures for the evaluation of motor deficit. Selection and modifications of exercises in specific disabilities. Methods of teaching. MISS COGLAND, MRS. ZAUSMER, MISS C. WARREN, MISS IONTA, MISS A. WARREN.

42-3. Hydrotherapy

Lecture, demonstration and practice in the use of water as a therapeutic agent. Special emphasis on underwater exercise and functional activity. MISS COGLAND, MISS MCCARTHY.

43-23. Ethics and Administration

Principles of medical ethics and law for physical therapists. Interprofessional relationships, administrative responsibilities. MISS COGLAND, MISS C. WARREN, MISS IONTA, and associates.

44-23. Clinical Practice

8 semester hours

Supervised experience in the practice of physical therapy in the departments of affiliating hospitals and rehabilitation centers. Clinical instruction in the selection and development of individual or group activity. Participation with others in total patient care. 600 hours. MRS. ZAUSMER, MISS C. WARREN, MISS IONTA, MISS EIDEN, and associates.

45-23. Orientation to Nursing Techniques

Instruction, demonstration, and supervised practice in the general principles of medical asepsis, surgical dressings, and bandages; the application of splints, casts, and traction; precaution techniques; and other nursing procedures with which physical therapists should be familiar. MISS TRAFTON.

46-3. Cerebral Palsy

1 semester hour

Neurologic and pathologic mechanisms, clinical aspects, methods of evaluation and treatment. Observation in the Cerebral Palsy Unit of the Children's Hospital Medical Center. DR. BANKS, MISS LANE, and associates.

47-3. Functional Training

2 semester hours

Lecture, demonstration, and practice in teaching functional activity to the handicapped; functional evaluation tests and gait analysis; the use of crutches, braces, prosthetic appliances, and other assistive devices. MISS MCCARTHY, MISS EIDEN.

48-3. Occupational Therapy

Principles and application. 15 hours.

Members of the Occupational Therapy Department, Bay State Medical Rehabilitation Clinic.

ORTHOPTICS

Classes in orthoptics are held at the Massachusetts Eye and Ear Infirmary (except *Orthoptics 43* which is given at the Harvard Medical School) and are not open to students in other programs of the College.

43. Physiological Optics

5 semester hours

Physical and physiological optics. Given at the Harvard Medical School to postgraduate students in ophthalmology. Work on the optical bench. MR. BOEDER.

47. Orthoptics

23 semester hours

Actual work with patients under the supervision of the orthoptic technician in charge of the clinic. Lectures on the anatomy, physiology, and motility of the eye, and on refraction and perimetry. DR. JOHNSON, DR. POLLEN, DR. SLOANE, DR. FRIEDMAN, DR. REINECKE, DR. BORUCHOFF, MISS STROMBERG.

MEDICAL TECHNOLOGY

Courses in medical technology are held at the Beth Israel Hospital and are not open to students in other programs of the College. They are of twelve months' duration, starting in the summer immediately after the end of the academic year.

40. Clinical Chemistry

8 semester hours

The application of modern analytical chemistry to clinical medicine. The broader aspects of human biochemistry. Laboratory work to develop proficiency in the performance of approximately twenty-five common procedures and some understanding of rare and more complicated analyses.

41-1. Blood Grouping and Banking

4 semester hours

Techniques of blood grouping, Rh typing, and cross-matching tests. Special testing for blood-group antibodies and the preparation of fractions of blood. An orientation into records, donor requirements, and bleeding technique.

42. Medical Bacteriology

8 semester hours

Methods for identifying medically important bacteria. The student is instructed how to use for the purpose of identification the characteristics of pathogenic bacteria and common saprophytes; e.g., colonial and microscopic morphology, immunologic properties, growth requirements, and biochemical reactions. A brief introduction to the diagnosis of disease by serological methods.

43-2. Histologic Techniques

4 semester hours

Principles of tissue staining and the methods used in preparing samples for microscopic examination. Students participate in the fixation, dehydration, paraffin imbedding, cutting, and staining of tissues removed at surgical operations and post-mortem examinations. Special techniques such as frozen section and celloidin imbedding.

45. General Diagnostic Methods

8 semester hours

The collection of samples of both venous and capillary blood; hematology; the simpler screening techniques and the morphology of stained films of peripheral blood and bone marrow; general diagnostic tests applied to other body fluids; microscopic examination of the urinary sediment; kidney physiology.

Publication**30-1. Journalism**

4 semester hours

The discipline of straight, factual writing in reporting and in editorial and feature writing. MR. FESSENDEN, MR. POOLE.

31-2. Article Writing

4 semester hours

Writing articles for publication. Study and discussion of published material; and reading, discussion, and criticism of student work. MR. FESSENDEN, MR. POOLE.

Prerequisite: Publication 30.

32-2. Writing on Assignment

4 semester hours

For students preparing for work on newspapers or other publications. Much of the writing is completed during the class period, directly on the typewriter, from detailed assignments. Attention is also given to planning features, copyreading, head writing, and make up. MR. FESSENDEN.

Prerequisite: Publication 30. Enrollment: limited to twenty students.

33-2. Advanced Composition I

4 semester hours

A "free-writing" course. Each student may write in whatever form or forms interest her; the only requirements are that each student complete a required amount of writing and revision. Reading, discussion, and criticism of the students' writing.

MR. BOSWORTH.

Prerequisite: Publication 30 and consent of the instructor. Enrollment: limited to twenty students.

34-1, 2. Advanced Composition II

4 semester hours

For students who have completed *Publication 33* and wish to continue with a second semester of writing under instruction. Each student meets individually with the instructor. MR. BOSWORTH.

Prerequisite: Publication 33 and consent of the instructor. Enrollment: limited to twelve students.

35-1. Publicity

4 semester hours

For students looking forward to work in public relations. Institutional and educational publicity, and practical training in publicity procedure; analyzing the needs of the client, outlining campaigns, and preparing and placing copy. Special attention to

preparation of radio programs, plays, continuity, and to editing script for radio.
MR. FESSENDEN.

Prerequisite: Publication 30.

36-2. Advertising Copy Writing

2 semester hours

Advertising form and style and the writing of advertising copy. Projects and criticism, with some general reading in the theory and practice of advertising. MR. ———.

Enrollment: limited to sixteen students.

37-2. Magazine and Industrial Editing

2 semester hours

For students who look forward to editorial employment on consumer and industrial publications. Various specialized types of editing: the woman's magazine, the trade publication, the house organ, the company report, personnel handbook, and industrial publicity. Study and discussion of the problems of consumer and industrial writing and editing, the study of models, and the writing and criticism of individual projects. Experts from the field talk to the class about their specialties. MISS WILLIAMS.

38-1. Children's Books and Periodicals

2 semester hours

A brief survey of children's literature with emphasis on the reading interests and abilities of various age groups and present tendencies in writing and publishing for boys and girls. MRS. VIGUERS.

40-1. Copy and Proof

4 semester hours

Exercises and tests, based on the *Manual of Style* and *Words into Type*, to develop a professional attitude toward the problems of "form" and "style" in the preparation of copy for publication, and in the techniques and problems of reading proof.

MR. BOSWORTH.

41-0. Introduction to the Graphic Arts

4 semester hours

The fundamentals of printed material. The development of writing and printing; typography and its application in books, magazines, and advertising; illustration techniques; reproduction methods. MR. VALZ.

42-1, 2. Graphic Arts Laboratory

2 semester hours

A pressroom course in the techniques of converting copy into print. Student project in both letterpress and offset. MISS BRATTON.

43-0. Editing and Publishing Techniques

4 semester hours

Advanced technical problems in book, magazine, and industrial publishing: printing methods, illustrations, types of paper, book and magazine design, costs of production, literary contracts, and laws governing the press. Visits to editorial and publishing offices, printing and engraving plants, and paper mills. MR. VALZ.

Prerequisite: Publication 41 and 42.

44-2. Editing and Publishing Project

2 semester hours

A fully prepared publication from idea to manufacturing specifications, including writing, editing, design, production, and promotion. Student choice of subject matter, with instructor's approval. MISS BRATTON.

Prerequisite: Publication 41, 42, and 43.

45-1. Graphic Design

4 semester hours

The principles of pure design as applied to the problems of graphic presentation in black and white and in color, in the design of advertising, magazines, and books.

MISS BRATTON.

Prerequisite: Publication 41 and 42.

46-1, 2. Publishing Laboratory

4 semester hours

Each student assists, under the direction of the editor, in the editing and publishing of the College magazine. The various editorial and technical processes involved in the publication of a magazine are performed by the students under professional guidance.

MISS WILLIAMS.

Prerequisite: Publication 41 and 42.

Field Study

An important and required part of the professional training in the fourth year is senior field study. Each spring all fourth-year and graduate students in the School of Publication leave the College for two weeks of field study in the area of their choice. Students have done their field study in book and magazine publishing, in journalism and public relations, and in radio, television, and advertising. When the field study is to be done away from Boston, students must plan for their own maintenance during the two-week period.

Library Science

Courses in library science are open only to graduate students. See the bulletin of the School of Library Science for course descriptions.

101. The Library as a Social Institution**106. School Library Service****107. Reference Methods****108. Bibliographical Methods and Government Publications****109. Literature of the Social Sciences****110. Service to Adult Readers****113. Literature of the Humanities****114. Organization and Administration of Special Libraries****115. Cataloguing and Classification: Introduction****117. Cataloguing and Classification: Comparative Study****118. Technical Services**

[120. Modern Book Publishing and Publishers

Not offered in 1964-65.]

[123. Audio-Visual Services

Not offered in 1964-65.]

- 131. Research and Bibliographical Method in Subject Fields**
- 170. The Book Arts and Rare Books**
- 172. Theory of Administration**
- 173. Administrative Problems in Book Selection**
- S180. Interpreting Literature for Children**
- 181. Service to Children**
- 183. Literature for Young Adults**
- 184. Literature of Science and Technology**
- S185. Machine Applications to Libraries**
- S190. Comparative Librarianship: European and American**

SEMINARS

- 201. Seminar in Library History**
- 202. Advanced Problems in Library Administration**
- 203. Research in Library Administration**
- 206. Seminar in School Library Service**
- 207. Seminar in Reference Literature and Services**
- 208. Seminar in Subject Bibliography**
- 210. Seminar in Library Adult Education Services**
- 211. Seminar in Reading Guidance of Children**
- 212. Seminar in Reading Guidance of Young People**
- 213. Seminar in Special Library Service**
- 215. Seminar in Classification and Subject Cataloguing**
- 217. Seminar in Cataloguing**
- 218. Seminar in Government Publications**
- 220. Seminar in the History of Books and Publishing**

Education

20-1, 2. Historical and Philosophical Backgrounds of Education

4 semester hours

Major historical developments and fundamental philosophical issues in education, considered in terms of their relevance to contemporary practices in education. Historical backgrounds and theoretical points of view which contribute to an understanding of how education has evolved to its present stage. It is highly desirable that *Psychology 20* have been completed before *Education 20* is elected. MR. -----.

22-1, 2. The Nature of Classroom Teaching: Elementary Education

4 semester hours

Specific problems, procedures, and methods with which all elementary school teachers must be concerned: planning lessons and teaching units, exploring the use of various materials available to the elementary school teacher, using the curriculum to meet the child's intellectual and emotional needs. It is highly desirable that *Education 20* and *Psychology 30* or *Home Economics 35* be completed before taking *Education 22*. MR. -----.

30-1. The Nature of Classroom Teaching: Secondary Education

4 semester hours

Specific problems, procedures, and methods with which all secondary teachers must be concerned: developing realistic objectives; presenting materials orally; developing, making, and correcting assignments; preparing and evaluating tests and examinations; guiding pupil progress; managing a classroom; and carrying on the major responsibilities of the classroom teacher. Students relate procedures insofar as possible to their special subject-matter fields. Specific assignments simulate the activities in which the student will be expected to engage as a teacher. MR. -----.

Prerequisite: *Education 20* and *Psychology 33*. (Students in the School of Home Economics may substitute *Home Economics 35* for *Psychology 33*.) *Enrollment:* limited.

32-2. Curriculum and Methods in the Secondary School Teaching of English

3 semester hours

Instructional materials and the specific problems and procedures in the secondary school teaching of English. Techniques and methods considered in *Education 30* are applied to the teaching of English, together with those matters that are unique to the field of English. Experience in constructing lesson plans and units. Problems of teaching English at various grade levels, in the various curriculum divisions, and to students of varying abilities. *Enrollment:* limited to students following the specialization in the secondary school teaching of English in the School of Education. MR. BISSEX.

33-2. Curriculum and Methods in the Secondary School Teaching of Modern Language

3 semester hours

The actual instructional materials and the specific problems and procedures in the secondary school teaching of modern language. The techniques and methods considered in *Education 30* are applied to the teaching of modern language, together with those matters that are unique to the field of modern language. Experience in constructing lesson plans and units, and the problems of teaching modern language

at various grade levels, in the various curriculum divisions, and to students of varying abilities. *Enrollment*: limited to students following the specialization in the secondary school teaching of modern language in the School of Education.

MR. ETHIER.

34-2. Curriculum and Methods in the Secondary School Teaching of History and Social Studies

3 semester hours

Instructional materials and the specific problems and procedures in the secondary school teaching of history and social studies. The techniques and methods considered in *Education 30* are applied to the teaching of history and social studies, together with those matters that are unique to the field of history and social studies. Experience in constructing lesson plans and units, and in the problems of teaching history and social studies at various grade levels, in the various curriculum divisions, and to students of varying abilities. *Enrollment*: limited to students following the specialization in the secondary school teaching of history and social studies in the School of Education. MRS. BEHRMAN.

35-2. Curriculum and Methods in the Secondary School Teaching of Science and Mathematics

3 semester hours

Instructional materials and the specific problems and procedures in the secondary school teaching of science and mathematics. The techniques and methods considered in *Education 30* are applied to the teaching of science and mathematics, together with those matters that are unique to these fields. Experience in constructing lesson plans and units, and in the problems of teaching science and mathematics at various grade levels, in the various curriculum divisions, and to students of varying abilities. *Enrollment*: limited to students following the specialization in the secondary school teaching of science and mathematics in the School of Education. MR. BROWN.

36-1. Curriculum and Methods in the Elementary School Teaching of Reading and Language Arts

4 semester hours

Instructional materials and the specific problems and procedures in the elementary school teaching of reading and the language arts. MR. -----.

37-2. Curriculum and Methods in the Elementary School Teaching of Social Studies, Mathematics, and Science

4 semester hours

Instructional materials and the specific problems and procedures in the elementary school teaching of social studies, mathematics, and science. MR. -----.

39-2. Seminar in Teaching Methods

1 semester hour

Problems specific to the teaching of the several subject-matter fields. Emphasis on demonstration teaching by students in their respective subject-matter fields followed by seminar critiques. Problems of particular importance to the beginning teacher. *Enrollment*: limited. MR. -----.

40-1, 2. Student Teaching

6 semester hours

Each student assumes full responsibility, under supervision, for the teaching of not less than one high school class in her subject-matter field for the entire semester.

Enrollment: limited to seniors in the School of Education concentrating in secondary education. Members of the Department.

[41-1. Student Teaching

6 semester hours

Each student is assigned teaching responsibilities, under supervision, in one of the elementary schools in the Metropolitan Boston area. *Enrollment:* limited to seniors in the School of Education concentrating in elementary education.

Not offered in 1964-65.]

45-1, 2. School and Teacher in American Society: Secondary Education

2 semester hours

Retrospective summary of the student's theoretical and practical background for teaching. Review of the methods and problems in teaching, related to the larger responsibility of the teacher, to the role of the teacher in the American school, and to the place of the school in American society. Discussion of the professional status of the teacher and of the social forces which influence schools and school policy as related to the basic issues in education. To be taken concurrently with *Education 40*. MR. ———.

[46-1. School and Teacher in American Society: Elementary Education

2 semester hours

Similar to *Education 45* but with special attention given to elementary school problems. To be taken concurrently with *Education 41*.

Not offered in 1964-65.]

Home Economics Education, see Home Economics.

Social Work

Classes in social work are held at the School of Social Work, and are open only to graduate students. A catalogue giving more detailed information may be obtained by writing to the Director, School of Social Work, 51 Commonwealth Avenue, Boston 02116.

I. THEORY AND PRACTICE

A. The Social Services

First Year

10. Social Work Organization
11. Public Social Welfare Programs
12. Community Health Organization
13. Child Welfare

B. Human Growth and Behavior

First Year

20. Principles of Human Behavior
21. Clinical Psychiatry
23. Health and Disease

Second Year

221. Psychoanalytic Theory of the Neuroses

224. Problems of Learning

C. Social Work Practice*First Year*

30. Social Case Work

31. The Group Process

32. Methods of Social Research

33. Social Work and Change

Second Year

231. Seminar in Social Case Work

237. Group Dynamics

238. Seminar in Social Work Practice

239. Social Case Work with Children

240. Seminar in Administration and Community Planning

251. Seminar in Social Studies

II. FIELD WORK

50. Field Work, First Year

250. Field Work, Second Year

**III. COURSES ON UNDERGRADUATE, EXTENSION,
AND COMMUNITY BASES****Introduction to the Fields of Social Work**

(*Sociology 40*—an undergraduate course offered at The Fenway—see page 116.)

40. Statistical Methods

301. Seminar in Advanced Case Work

Public Welfare Seminars

Business Administration

20-1. Principles of Accounting

4 semester hours

Current and recommended concepts of accounting principles and practices. The individual proprietorship. Major emphasis on managerial control and decision making. Topics include: financial statements and their interrelationships; accounting cycles;

adjusting, closing and reversing processes; work sheets; special journals, theory, classification, analysis and interpretation of accounts. MR. PARENTE.

21-1. Personal-Use Typewriting

2 semester hours

Development of basic personal-use skill in typewriting. *Enrollment:* Limited to students with no previous instruction in typewriting. Students receiving credit for this course may earn only two semester hours of credit if they later complete *Business 31b* or *35*. MR. MORAN.

24-1. Foundations of Business Administration

4 semester hours

A general understanding of the functions of the business world; the basic activities of production, marketing, and finance; the role of competition in the private enterprise system; meetings with Greater Boston businessmen to discuss their specialized areas of the business world; films, field trips, and case studies. MR. MURRAY.

25-2. Intermediate Accounting

4 semester hours

A logical continuation of accounting. The partnership and corporate forms of business organizations. Payrolls and taxes. Partnership organization, operation, and dissolution. Corporation formation, capital stock transactions, dividends, retained earnings. Statement analysis and evaluation. MR. PARENTE.

Prerequisite: *Business 20*.

31-0. Elementary Shorthand and Typewriting

8 semester hours

Basic secretarial skills. Development of shorthand theory and dictation; typewriting facility; typewriting problems; transcription on the typewriter. Placement tests in shorthand and typewriting required of all students with previous training in those areas. Typewriting (31b) may be taken independently for four semester hours of credit. *Enrollment:* limited to students in the School of Business Administration and, in 1964-65, to students in the School of Publication. MR. MORAN.

34-1. Business Communications

4 semester hours

Theoretical and practical applications of communications principles. Oral and written expression to accomplish human relations objectives necessary for success in working with and in influencing other persons. Principles developed in a business setting with cases involving the writing of business letters, reports, newsletters, memoranda, and advertisements; in conducting of conferences, interviews, platform speeches, and other forms of oral communication. MR. BALDWIN.

Prerequisite: typewriting ability.

[35-0. Typewriting for General Use

4 semester hours

Typewriting facility; typewriting problems; transcription on typewriter. Placement test in typewriting required of all students with previous training. *Enrollment:* limited to students in the School of Publication.

Not offered in 1964-65.]

36-1. Analysis of Business Data

4 semester hours

Analytic, interpretative, inferential approach to statistical data as applied to business problems. Data collection and classification. Sampling probability and related decision policies. Measures of central tendency, dispersion, confidence intervals and coefficients. Index numbers, correlation and regression analysis. Group and individual projects on a self-selection basis. MR. PARENTE.

38-2. Legal Aspects of Business

4 semester hours

Legal principles and their practical applications to business situations. The following areas are analyzed: contracts, agency, sales, and negotiable instruments. MR. PARENTE.

[39-1. Institutional Accounting *

4 semester hours

The fundamentals of accounting and business practice as applied to lunchrooms, tea rooms, residence halls, and institutions of a similar type. Financial statements and reports, analyzing data, and designing books of records.
Not offered in 1964-65.]

41-1. Advanced Shorthand and Typewriting

4 semester hours

Systematic practice in writing shorthand, with special emphasis on the acquisition of a broad shorthand vocabulary and the ability to transcribe according to business standards. Development of competence in office-style typewriting. MR. MORAN.

Prerequisite: Business 31.

42-2. Office Procedures

4 semester hours

Advanced problems in modern office procedures and machines with emphasis on efficient planning of material to produce a volume of high-grade work. Refinement of secretarial skills. Case discussions on principles of human relations and office ethics. Demonstrations of office machines. Field trips to business offices. MR. MORAN.

Prerequisite: typewriting ability equivalent to Business 31.

45-2. Modern Business Management

4 semester hours

Management as science and art. Study of classical and contemporary organizational theory and practice with special reference to the contributions of the behavioral sciences. Investigation of the several roles of the administrator with objective of enabling students to construct a personal administrative philosophy. Readings and cases. *Enrollment:* limited to Business Administration students and to certain students in the School of Home Economics. MR. MURRAY.

46-2. Medical Terminology and Transcription

4 semester hours

Analysis of medical terms on the basis of affixes, suffixes, and roots; development of Gregg Simplified shorthand outlines for medical terms; development of transcription and skill through dictation of hospital case histories. Students in this course are exempt from the section of *Business 42* devoted to refinement of secretarial skills. MR. MORAN.

Prerequisite: Business 41.

* Offered in alternate years.

50-2. Advertising Policies and Methods

4 semester hours

The nature and purpose of advertising; its place in our business and economic structure with special emphasis on current trends, analyses of the component parts of an advertisement, varieties of media, case analysis, copy testing, market research, and campaign planning. MR. MURRAY.

51-2. Personal Finance

4 semester hours

A non-technical discussion course providing practical help in managing personal money matters, budgeting and savings, buying property, life, and other forms of insurance, owning and financing a home, investing in stock, bonds, and other securities, bank services, credit facilities. Budget treated both as a mechanical instrument and as a means of expressing the priorities of personal values. Role of the wife in financial matters. Cases. MR. MURRAY.

52-1. Marketing

4 semester hours

Management and marketing, market research, the marketing mix, channels of distribution, demand, cost and profit analyses, product development, promotion, pricing, selling and the sales force, advertising, the role of marketing and the marketer in American business. Case method of instruction. MR. MURRAY.

55-2. Retailing Principles and Practices

4 semester hours

Forms of retailing; department stores, multi-unit organizations, discount houses. Organizational structures; departmental activities in retail organizations. Current trends in retail distribution; e.g. downtown-suburban pattern, mechanization, manufacturer-retailer cooperation. MR. ———.

56-1, 2. Personnel Principles and Policies

4 semester hours

Fundamentals of personnel management: procurement and development including job evaluation, labor resources, selection techniques, testing and training programs. Management-labor relations; wage and salary administration; employment stabilization. In the first semester this course is *open only* to students in the Prince School program in retailing. MRS. HALEY, MR. ———.

58-1. The Stock Market

4 semester hours

Economic and financial implications of stock market functions. Types of brokers, orders, floor trading procedures, odd-lot trading, margin buying, short selling, convertible securities, interpretation of stock averages, the Dow Theory, are areas of investigation. Realistic and actual situation stock market problems. Independent research and readings. MR. PARENTE.

Prerequisite: consent of the instructor.

59-0. Retail Merchandising

8 semester hours

Basic knowledge for merchandising practices, analysis of consumer demand, market conditions and representation, development of merchandising policies. Background in

buying techniques. Mathematics of merchandising, dollar and unit merchandise control. Problems and case work—field trip to New York market. MISS BURNHAM.

Prerequisite: Business 55.

[61-1. Financial Administration]

4 semester hours

Administration and interpretation of corporate finances. Emphasis on responsibilities in financial management and administration contributing to maximum use of corporate funds. Comparison of capital sources, timing, current financial condition, policies, and their implications. Application of financial concepts directed toward optimum results for the best interests of the corporation and the shareholders.

Not offered in 1964-65.]

[62-2. Seminar in Financial Administration]

4 semester hours

Discussion of realistic and actual situation problems on an advanced basis. Independent investigation of problems and policies pertaining specifically to the area of financial administration.

Not offered in 1964-65.]

63-1. Marketing Research

4 semester hours

Training in the techniques of research and their application to marketing, advertising and sales, questionnaire design, product-testing and survey techniques, co-operative work on actual business problems. MR. MURRAY.

Prerequisite: Business 52 and 36.

65-1. Retailing Seminar

4 semester hours

Critical investigation of current problems in the field of retailing; e.g., electronic data processing, foreign competition, centralized merchandising, consumer buying patterns. Groups of two or three students study an assigned topic; material organized for class discussion. MRS. HALEY.

Prerequisite: Business 55.

66-1. Seminar in Personnel Administration

4 semester hours

Student research in the field of personnel management. Concentration on area of special interest. Results of individual study presented for group evaluation. Field work. MRS. HALEY.

Prerequisite: Business 56.

67-2. Personnel Problems in Retailing

4 semester hours

Administrative problems of departmental executives within a framework of top management policies. Employee selection, personnel scheduling, improving employee productivity, replacing counter service with self-selection in a selling department. Personnel implications of measures introduced to promote volume or reduce operating expenses. Written report on some phase of personnel work required. Original in-

vestigation or library research. *Enrollment:* limited to students with a specialization in retailing. MISS BURNHAM.

69-2. Office Management

4 semester hours

Functions of the office in its relation to other operating departments of business. Methods of improving office operations through application of functional lay-out, centralization of activities, paperwork simplification, measurement of production, establishment of standards and so forth. Field trips, outside readings, case studies, and guest lecturers. MR. BALDWIN.

Business Lectures

Four lectures held during the second half-year to provide an opportunity for students, as a supplement to their classwork, to hear experts from business discuss current trends and issues. Students are required to attend eight of these during their enrollment in the School of Business Administration.

Home Economics

10-2. General Home Economics

4 semester hours

A non-laboratory course planned exclusively for majors in fields other than home economics. Development of a philosophy of desirable home and family life in today's world. Ways in which family goals may be attained through the wise management of time, energy, money, and material resources. Consideration given to housing, home furnishings and equipment, finance and consumer problems, nutrition and food selection, textiles and clothing, and family relations. MISS PATTERSON, MISS BEVACQUA.

20-1, 2. Clothing

4 semester hours

Fundamentals of clothing construction with experiences in fitting and adjusting patterns and garments for figure problems. Use of fabrics of natural and man-made fibers to understand peculiar characteristics. Effectiveness of line, proportion, and color for the individual. Comparison of cost and construction of ready-made versus custom-made clothing. MRS. FACKTOROFF.

21-2. Textiles

4 semester hours

Natural and man-made fibers, yarns, construction methods, design and finishing agents as related to selection and care of fabrics. Comparative studies of quality for various end uses. Field trips to museums, mills, and textile research laboratories. MRS. GAWNE.

Prerequisite: Chemistry 11 or 12, or the equivalent. Open to students in the Prince School Program in Retailing without chemistry prerequisite.

22-1. Design

4 semester hours

Developing visual sensitivity. Appreciation of contemporary design in relationship to architecture, furniture, fabrics, and accessories. Illustrated lectures and discussions, field trips to modern homes and shops, and creative work combine to increase responsiveness to contemporary art and basic design elements. Opportunity for individual study in specific areas of interest. MRS. FEINBURG.

23-1, 2. Foods and Nutrition

4 semester hours

Application of basic scientific principles to food preparation and meal planning; efficient management of time and other resources. MISS FISHER, MISS PATTERSON.

25-2. Nutrition

4 semester hours

The fundamentals and recent developments in the science of nutrition as they relate to food selection and to the needs of individuals and groups; the relation of nutrition to health; and community responsibility for various nutrition programs.

MISS ROSS.

30-1, 2. Tailoring

4 semester hours

Construction of tailored suits and coats using custom tailoring and dressmaker tailoring techniques. Cutting and adjusting to fit the individual figure. Pressing and blocking of tailored garments. MRS. FACTOROFF.

Prerequisite: Home Economics 20.

33-1, 2. Advanced Foods

4 semester hours

Composition, methods of manufacture, marketing, and preservation of food. Laboratory work to develop professional food standards and efficient procedure. Evaluation of convenience foods. Field trips to food production and distribution centers. Review of current professional journals. MISS FISHER, MISS PATTERSON.

Prerequisite: Home Economics 23.

34-1, 2. Home Management

4 semester hours

Philosophies of management and utilization of family resources, work simplification, kitchen planning, and selection, care, and use of household equipment. Laboratory activities include food selection, preparation, and service; use of household equipment; and entertainment of guests. MISS BEVACQUA.

35-1, 2. Child and Adolescent Growth and Development

4 semester hours

The development of the child from conception through adolescence. Understanding of the significance of children's behavior and the importance of early events to the development of the mature personality. Experience with young children provided by observation and participation in the Simmons College Child Study Center. Students in schools other than Home Economics or Education may enroll with consent of the Director. MISS SOGARD.

Prerequisite: Psychology 20.

36-1. Field Experience in Home Economics Education

2 semester hours

Teaching foods or clothing in a settlement house in the vicinity of Boston one afternoon each week during the semester. Weekly group conferences for organizing and discussing teaching materials and techniques, class activities, and the influence of family life on the personality development of children. Individual conferences on teaching problems. MRS. LAMBERT.

37-2. Demonstration Techniques

4 semester hours

Observation, discussion, and presentation of food demonstrations. Emphasis on effective techniques. MISS FISHER.

Prerequisite: Home Economics 33, or equivalent, and consent of the Director.

38-1. Early Childhood Programs: Methods and Materials

4 semester hours

Principles of program planning for children. Graphic and plastic arts, music, science, and literature; play equipment and materials, personnel consideration, parent and community relationships. MISS SOGARD.

Prerequisite: Home Economics 35 and consent of the Director.

40-2. Clothing Design

4 semester hours

Fundamentals of clothing design and pattern drafting. Designs of clothing developed through pattern drafting techniques. Fashion through the centuries; the effects of times and mores. MRS. FACTOROFF.

Prerequisite: Home Economics 20, and Home Economics 30 or consent of the Director.

43-2. Experimental Foods

4 semester hours

Physical and chemical factors affecting the quality of cooked food, including analysis of standard recipes and procedures. Review of recent research in foods. Individual problems. MISS PATTERSON.

Prerequisite: Chemistry 20 or 31 and Home Economics 33.

45-1. Advanced Nutrition

4 semester hours

Recent research in nutrition. The role of each dietary essential in the maintenance of optimum health; problems of food fortification; interrelationships of nutrients; treatment and prevention of nutrition deficiencies; enrichments and faddism.

MRS. ABBOTT.

Prerequisite: Biology 34, Chemistry 21, Home Economics 25, or equivalents.

46-2. Diet Therapy

4 semester hours

Diet in the treatment of disease. Changes in metabolism and their relationships to dietary requirements and food intake. MRS. ABBOTT.

Prerequisite: Home Economics 45, or consent of the Director.

47-1, 2. Consumer Education

4 semester hours

Choice-making, budgeting, and market selection problems facing consumers in the use of income for present and future needs. Protection of consumers in the market, standardization, labeling, pricing, credit, insurance, and investment. MISS BEVACQUA.

48-2. Advanced Child Development

4 semester hours

Intensive study of the child from conception through the first eight years of life; special emphasis on the influences of family, school, and peer group. Reviews of current professional journals. MISS SOGARD.

Prerequisite: Home Economics 35.

49-2. Experience With Children

4 semester hours

Observation and experience in early childhood group dynamics and behavior, communicating with young children and handling individual and group problems. Individual conferences supplement varied field experience. MISS SOGARD.

Prerequisite: Home Economics 35 and 38.

51-2. House Planning and Interior Decoration

4 semester hours

Each student plans the layout and decoration of a house; chooses the community in which the house might be built and the plot of land where it is to be placed; considers traditional and new methods of house planning and building. Choice and use of furniture; wall, floor, and window treatment; emphasis on color, line, and texture; and budget limitations, family needs, and requirements of modern living. MRS. O'CONNOR.

52-1. Institution Management

4 semester hours

Quantity food purchasing and production; institution equipment maintenance and purchasing; college, hospital, hotel, restaurant, and school lunch feeding; field experiences in current situations.

Cost of transportation and meals when on field assignments, approximately \$20.

Enrollment: limited to students following specialization in institution management and dietetics. MRS. ABBOTT, MISS FAIRCHILD, and others.

54-1. Curriculum and Methods in the Teaching of Home Economics

4 semester hours

Before student teaching (*Home Economics 55*), methods of selecting, organizing, and evaluating learning experiences in the teaching of home economics in junior and senior high schools. After student teaching, seminars on home economics in vocational and adult education, the professional role of the home economist, and individual teaching problems. *Enrollment:* limited to seniors following the specialization in home economics education. Students enroll concurrently in *Home Economics 55*.

MRS. GAWNE.

55-1. Student Teaching in Home Economics

6 semester hours

Six weeks' teaching in junior and senior high schools near Boston. Planning experiences for boys and girls in foods and nutrition, clothing, home management, child study, consumer education, and personal and family relations; directing other school activities. Cost of transportation to co-operating centers, approximately \$50. *Enrollment:* limited to students enrolled concurrently in *Home Economics 54*.

MRS. GAWNE.

56-2. Introduction to Public Health Nutrition

4 semester hours

The role of nutrition in such public health programs as maternal and child health, school health, chronic disease, and gerontology. An explanation of the functions and interrelationships of members of the public health team: medical health officer, public health nurse, health educator, sanitarian, and nutritionist. Field experience in health agencies at state and local levels. Cost of transportation for field assignment, approximately \$15. MISS ———.

Prerequisite: Home Economics 25 and 33, or equivalents, and consent of the Director.

57-2. Family Relations

4 semester hours

Characteristics of the American family today, challenges and problems of various family developmental stages with special emphasis on factors basic to successful family living. Open to third- and fourth-year students in all schools. MRS. GAWNE.

59-1, 2. Individual Study in Home Economics

2 or 4 semester hours

Individual work in one of the areas of home economics. Special permission of the Director required. Members of the Department.

200. Thesis in Home Economics Education

4-8 semester hours

Degree candidacy in the graduate program in home economics education required. Individual study in an area of special interest. Regular conferences with the staff throughout the period of registration. MRS. GAWNE, MISS ROSS, and Members of the Department.

Nursing

21-0. Fundamentals of Nursing

12 semester hours

The philosophy, concepts, and skills essential to the sound practice of basic nursing care. Learnings reinforced through selected clinical experiences. An introduction to pharmacology and to the fundamentals of normal nutrition are included.

MISS SEBASTIAN, MISS O'BRIEN, MISS HUBBARD.

22-1. Personal and Professional Relationships in Nursing

2 semester hours

Personal and professional growth of the student; clarification of the professional role; working relationships with patients and other members of the health team.

MRS. DUTRA.

23-1, 2. Group Dynamics

2 semester hours

Basic principles of group dynamics. Opportunity provided for students to function as members of a group and to observe forces operating within a group.

MISS ———.

25-1. Social Foundations of Nursing

4 semester hours

Historical foundations of modern nursing, the influence of contemporary society, current trends in nursing and nursing education, and the role of professional organizations. MISS HOUSTON, MRS. ERLANDSON.

31-1. Medical-Surgical Nursing I

8 semester hours

Patient-centered approach based on commonalities of nursing problems. Clinical experience in nursing care of patients with medical-surgical conditions. MISS BURRILL, MRS. JOHNS, MRS. ERLANDSON, MISS FOLEY.

33-2. Medical-Surgical Nursing II

8 semester hours

Continuation of *Medical-Surgical Nursing I* with nursing activities designed to include more complex nursing care problems. A limited experience in the operating room is included. MISS BURRILL, MRS. JOHNS, MRS. ERLANDSON, MISS FOLEY.

Prerequisite: Nursing 31.

35-2. Human Growth and Development

4 semester hours

Physical, emotional, and social aspects of human development from conception through old age. Understanding the sequence of development, and recognition of individual variations. MISS SOLBERG and others.

41-1, 2. Nursing of Mothers and Infants

8 semester hours

Emphasis on the concept of the maternity cycle as a normal physiologic event. Physical, social, and emotional aspects basic to the care of mothers and infants: practice in hospital and out-patient units. MISS SOLBERG, MISS KALLAUS.

43-1, 2. Nursing of Children

8 semester hours

Developmental approach to the care of sick children; effect of disease on normal growth and development; current trends in prevention, diagnosis, and therapy. Role of the nurse in guidance of parents and children; practice in the hospital, and observation in other community agencies. MISS SOLBERG, MISS KALLAUS.

45-1. Nursing Practicum

8 semester hours

Principles and concepts basic to practice in selected aspects of modern nursing. Experience provided within the clinical setting to correlate the theory with the practice of nursing. MRS. ERLANDSON.

51-1, 2. Psychiatric Nursing

8 semester hours

Principles of dynamic psychiatry; symptomatology and treatment of mental illness; guided experience with selected patients. Visits to preventive and curative community resources. MRS. DUTRA, MISS COTTON, DR. WASHBURN, and others.

52-2. Seminar in Nursing

4 semester hours

Study of professional organizations, opportunities in various fields of nursing, legislation, accreditation, and professional literature. MISS HOUSTON, MISS HUBBARD.

53-1, 2. Public Health Nursing

8 semester hours

Agency assignment and study of nursing practice when the primary focus is public health. Aim is to stimulate better understanding of the effect of health and illness on world communities. Correlated study of public health organization and program planning involves investigation of methods of cooperation with other health groups in the care of individuals and families in their own environment. MISS ———.

54-1, 2. Individual Reading in Professional Nursing

2-4 semester hours

Independent study in nursing. Consent of the Director required.
Members of the Department.

55-1. Nursing in Disaster

non-credit

Methods of saving life and maintaining health in time of natural and enemy-caused disaster. Mass care and treatment including adaptations required by limited personnel, utilities, equipment, and physical facilities. Identification and exploration of the role of the nurse. MISS BURRILL.

Physical Education

Physical Education For First-year Students

Participation in two hours a week of physical education is required of all first-year students. An adapted program to meet the needs of individuals with medical restrictions is arranged in co-operation with the Health Office.

A course in Fundamentals of Physical Education is required for one period during one semester. This course is designed to help each student understand and apply the basic principles of efficient movement in all activity; evaluate her own status with respect to posture, physical fitness, and motor skill; develop an individual program to help improve and maintain her fitness, figure, and physical efficiency.

The remainder of the freshman requirement is fulfilled through courses which provide opportunities for each student to acquire or improve skill in activities of her choice which she can enjoy during and after college. The courses scheduled during the two semesters are: dance (ballroom; folk, country, and square; modern), sports (archery, badminton, basketball, bowling, fencing, golf, horseback riding, skating, skiing, softball, swimming, tennis, volleyball), conditioning activities, figure and fitness workshops, and recreation leadership.

Additional instructional classes in seasonal sports are offered during the fall and spring terms. Students may enroll in any of these classes in addition to the two hours required in the regular program. MISS ROWE, MISS OLMSTEAD, MRS. GREENE, MRS. BLOY.

Physical Education for Upperclass Students

While there is no requirement in Physical Education beyond the first year, upper-class students may, within the limitations of available time and space, elect courses from the regular freshman program, and are encouraged to participate in the dance and sports activities sponsored by the Department in cooperation with the Dance Club and the Simmons Recreation Association.

21-0. Physical Education in Physical Therapy I

2 semester hours

Recreation for the Handicapped. Two hours a week during the first semester. Adapted games and sports, social recreation, and camping for handicapped children and adults. Visits to hospitals and hospital schools, directed teaching in school for handicapped children.

Rhythmic Activities. One hour a week during the first semester. Fundamentals of rhythmic movement, methods, and materials in recreational dance—ballroom, folk, and country. Adaptations for the physically handicapped, and practice teaching.

Swimming. One hour a week during the second semester. Development of maximum individual proficiency, confidence, and endurance. MISS ROWE, MRS. GREENE, MISS OLMSTEAD.

31-0. Physical Education in Physical Therapy II

2 semester hours

Swimming for the Handicapped. One hour a week during the first semester. Methods in adapted swimming strokes for the physically handicapped.

Fundamentals of Movement and Corrective Exercise. One hour a week during the second semester. Development of good body mechanics; principles and techniques of corrective procedures as a foundation for later courses in therapeutic exercise.

MISS OLMSTEAD, MISS ROWE.

Individual Study

Nearly all departments arrange through individual study courses (numbered 60) to allow a student to concentrate in some field of special interest in which she may do original investigation. These courses are conducted exclusively by individual conferences and reports, and the hours and credits (4 or 8 sem. hrs.) are specifically determined for each student. They are open, with the approval of the Chairman of the Division in which the course is offered, the Director of the School in which the student is registered, and the instructor, to third- or fourth-year students who have maintained a general average of B throughout their college course. A student may register for only one individual study course in any semester.

Courses at the New England Conservatory of Music

Under the provisions of an inter-institutional agreement between the New England Conservatory of Music and Simmons College, duly enrolled students in Simmons College may elect to include in their programs, for full credit, any courses normally offered by the Conservatory, subject to certain specified conditions. A Simmons College student desiring to pursue a course at the Conservatory must be recommended to the Dean of Instruction, by the Director of a School or the Chairman of a Division, or by the Dean in the case of first-year students. The student will then be referred to the Conservatory, which reserves the right to determine whether any prerequisites for the course in question have been met and whether the student is fully qualified to pursue the course elected.

GENERAL INFORMATION

The College Educational Buildings

The major College educational buildings are situated near the southern end of The Fenway, facing the downtown section of Boston. The chief administrative offices and the various instructional facilities are located here.

THE MAIN COLLEGE BUILDING

This structure consists of a central portion completed in 1904, a west wing completed in 1909, and an east wing completed in 1929. It contains the administrative offices, classrooms, laboratories, the College auditorium, and numerous auxiliary facilities.

THE BANCROFT BEATLEY BUILDING

Completed in 1961, this building provides excellent library facilities for students and faculty, including spacious reading and browsing rooms, and complete audio-visual facilities.

LEFAVOUR HALL

Also completed in 1961, Lefavour Hall contains a portion of the library facilities, including the stacks; general classrooms; the offices of the Schools of Library Science and Publication and the specialized instructional facilities for these departments; and student and faculty lounges.

The Library. To supplement instruction in the various courses, the College maintains a working collection of approximately 100,000 volumes, to which important additions are made each year. The book collection is especially strong in basic reference and bibliographical resources. A wide range of periodicals is also available for the use of students in all departments of the College. Outstanding special collections are maintained in the School of Library Science, located on the fourth floor of Lefavour Hall, and at the School of Social Work. A competent professional staff provides instruction in the use of the library and stands ready to assist individual students and members of the faculty in furthering the solution of problems of study and research. The main library is open for use during the evenings and on weekends, when the College

is in session, for the convenience of students and faculty. A student handbook on the College Library, distributed each year during the registration period, contains detailed information on library services and procedures.

In Metropolitan Boston, the student has access to one of the world's great library centers. Through cooperative arrangements with many libraries in the Boston area, Simmons College students may, upon application to the Reference Librarian in the College Library, secure access at these institutions to a variety of highly specialized materials.

Physical Education Facilities. Two rooms on the first floor of the west wing of the main College building are equipped for the Department of Physical Education. The dressing rooms, showers, and lockers are in the basement. Sport fields, with an archery range and tennis courts, are in the rear of the College building.

The Cafeteria. The cafeteria is located in the basement of the west wing of the main College building and is open Monday through Friday when the College is in session.

The Coöperative Store. The Simmons Coöperative Store, in the basement of the east wing of the main College building, is open every weekday except Saturday from eight-thirty to four-thirty. Here students may purchase or order books, stationery, and so forth. At the end of the year the net profits revert to student organizations.

SCHOOL OF SOCIAL WORK

Classes for students in the School of Social Work are held at 51 Commonwealth Avenue, Boston. In this building is the library of the School of Social Work, including the important and valuable collection of books and pamphlets relating to charities which was transferred to the College by the Boston Children's Aid Society.

Residence

All undergraduate students who do not live in their own homes or with immediate relatives are expected to live in the College residence halls. Exceptions to this rule may be made only with the *prior* approval of the Dean and any changes in residence during the college year must also receive her approval *in advance*.

The College residence halls are in Boston about a quarter of a mile from the main building. The campus is bounded by Brookline Avenue, Short Street, and Pilgrim Road.

The group consists of:

Arnold Hall	78 Pilgrim Road
Dix Hall	30 Pilgrim Road
Evans Hall	305 Brookline Avenue
Mesick Hall	285 Brookline Avenue

Morse Hall	275 Brookline Avenue
North Hall	86 Pilgrim Road
Simmons Hall	255 Brookline Avenue
Smith Hall	54 Pilgrim Road
South Hall	321 Brookline Avenue
Hastings House	4 Short Street
Turner House	2 Short Street

Most of the rooms on campus are double rooms; there are a few two-room suites and single rooms in North, South, and Evans Halls. All the rooms in Arnold, Dix, Mesick, Morse, Simmons, and Smith Halls are double, as are most of the rooms in the small houses. All students living on campus eat their meals in Bartol Hall.* Adjacent to Bartol Hall is Alumnae Hall, which serves as a general social center for student activities.

ROOM FURNISHINGS

The College provides the necessary furniture for all rooms, but does not include rugs or window curtains. The bed is a single couch, three feet wide. The student supplies towels, and all her bed linen, including bedspread and blankets. Local arrangements may be made for the rental and laundry of bed linen and blankets.

ASSIGNMENT OF ROOMS

Students already in residence choose their rooms in the spring. Lots are drawn in the order of classes, the juniors having the preference. Rooms are assigned to upperclass students, freshmen, and students entering with advanced standing from other colleges, in that order.

Candidates for admission to the College as resident freshmen make application for rooms after receiving notice of acceptance in April. Notice of room assignment is mailed to the student early in September.

REGULATIONS

The College residence halls are under the general supervision of the Dean, who is represented by the Director of Students on campus, with a Resident Head in each residence hall. The direction of matters of order and conduct is assumed by the Student Government Association, working in close cooperation with the Dean and the Director of Students.

Students may enter the College residence halls the day registration begins. They will not be admitted earlier than this date, and are expected to leave the day after their final classes or examinations. Exceptions to this rule are made only with the permission of the Dean or the Director of Students. All College halls and houses are closed during the Thanksgiving, Christmas, and spring vacations. Exceptions are sometimes made at Thanksgiving for foreign students and for other students who live at great distances from the College. Arrangements must be made in advance with the Director of Students.

* See Regulations, below.

All students who live on campus are expected to eat their meals in Bartol Hall at the regularly scheduled times. No special dietary arrangements are possible without the authorization of the College Health Office.

FOREIGN STUDENTS

The International Student Association of Greater Boston, of which Simmons College is a member, maintains a Center at 33 Garden Street, Cambridge, Massachusetts, which provides facilities for social and cultural activities for foreign students and their American friends. Activities include teas, lectures, discussion groups, outings, dances, concerts, and hospitality in American homes. Foreign students who arrive in Boston before the College residence halls open may obtain temporary accommodations through the Center.

College and Campus Activities

All student activities at Simmons College are closely correlated with the educational program, so that they contribute to the growth of the student in character, poise, and leadership ability.

ACADEMY

The *Academy* is the honor society of Simmons College. Students of superior attainment may qualify for admission at the beginning or the end of the senior year.

STUDENT ORGANIZATIONS

All students registered in the regular undergraduate programs of the College are automatically members of the Student Government Association. Membership of each student implies her assumption of personal responsibility for upholding the standards of integrity stated in the Honor Code. Students do their own work, write papers, and take examinations without faculty proctoring. In the social realm, students pledge to obey all campus and social regulations made by Student Government. It is expected that they will conduct themselves in a manner acceptable to the Student Government Association's concept and interpretation of the Honor Spirit.

The student organizations of the College which represent the various activities of the students are: SCOPE, which provides programs of interest to students and all members of the College community, French Club, Glee Club, Chamber Ensemble, International Relations Association, Modern Dance, Outing Club, Simmons Recreation Association, The Drama Society, United States National Student Association, Christian Science Organization, Hillel Foundation, Inter-Varsity Christian Fellowship, Newman Club, and Orthodox Club. In addition to these, there are clubs of professional interest.

STUDENT PUBLICATIONS

In May of each year the senior class publishes the *Microcosm*, which gives information about the senior class, the College faculty, and the various organizations of the students.

The *Simmons News* is published weekly by the students, and contains information on matters of current interest.

The *Simmons Review*, a quarterly magazine, is published for both undergraduates and alumnae. Student writing of merit is accepted for publication. The magazine is edited by members of the senior class in the School of Publication.

Essays and Studies, published periodically, consists of distinguished papers written by students in any academic or professional course.

The *Simmons College Handbook* describes student activities and College mores, and gives general information about the College.

ALUMNAE ASSOCIATION

An organization of over 16,000 former students, both graduates and non-graduates, the Alumnae Association serves and extends the interests of Simmons College. While continuing the spirit of fellowship among its members and strengthening their relations with the College, the Association works for the educational interests of women. The Alumnae Office is located in the main College building. The office of the all-College publication, the *Simmons Review*, is in Lefavour Hall, adjoining the Beatley Library.

Health

It is the purpose of the College to conduct a health program which will result in graduating women physically as well as mentally fit to enter the professions for which they have prepared. Two hours a week of physical education are required of all first-year students, and upperclassmen are encouraged to participate in the activities which interest them. (See page 152.)

No student is permitted to register for a full-time program (twelve semester hours or more) until a satisfactory certificate of health including reports on certain tests and immunizations, for which the College provides forms, is on file with the College physician. A student returning to the College after absence of a semester or more may be required to submit a new health certificate. Good health is important, and any handicap should be mentioned in the application for admission and noted on the health certificate, so that any arrangement for special attention may be made prior to college entrance.

Each young woman who files a health certificate is given a general physical examination by the College physician, or one of her assistants, at the College just before or soon after the beginning of the college year, and whenever thereafter it may seem advisable.*

A student may be refused admission, or required to withdraw from the College if the examination reveals a condition of health which, in the opinion of the College authorities, makes it unwise for her to undertake or continue college work.

The staff of the Health Department includes the Director of Health, two other physicians, a consulting psychiatrist, a roentgenologist, an X-ray and laboratory technician, and resident nurses.

* See page 165.

The College physician holds office hours daily in the main College building, and has general supervision of the Infirmary. The Simmons College Infirmary is licensed by the Commonwealth of Massachusetts Division of Hospital Facilities and is a cooperating member of the Massachusetts Hospital Service (Blue Cross). The nurses at the Infirmary are directly responsible to the physician.

Minor illnesses are treated by the physician either in her office or in the Infirmary, but students whose illness may be severe or prolonged are referred to hospitals or approved physicians in the city. Upon the request of a student's parents, reports of treatments or consultations with the College physician are sent to the family physician. It is requested that parents do not allow students to return to the College at the end of vacations if they have contracted any contagious disease. This includes severe sore throats and any upper respiratory infection in its first three or four days.

The health fee covers a maximum of five days of infirmary care a year, exclusive of medication. Additional infirmary care and any expense for treatment at a hospital or under the care of a consulting physician must be borne by the student or her family, who are if possible consulted in advance.

The College does not provide medicines, but such vaccinations or inoculations as may be required as prerequisites by the school in which the student is registered will be given without extra cost to the student. Students in the medical technology, basic professional nursing, and physical therapy programs are required to have immunization against smallpox, tetanus, diphtheria, typhoid, para-typhoid, and poliomyelitis. Any necessary diagnostic X-ray work will be done at the College with no additional expense to the student. X-ray examinations which require special apparatus cannot be done at the College and the cost of these must be borne by the student. Routine laboratory tests prescribed by the physician will be done without additional charge. An extra charge will be made for special chemistry and diagnostic tests, as they must be done in outside laboratories.

The College bears no responsibility for medical care of students during the summer months.

As of September 1964, participation in the Student Accident and Sickness Plan will be compulsory for all full-time undergraduate students and for part-time or graduate students living in the College residence halls. Other students may enroll on a voluntary basis.

This student plan is designed, at this time, *to supplement, not replace*, the usual comprehensive hospitalization programs carried by most students, since these latter plans do not meet the most frequent student needs—ambulatory consultations, laboratory work, extra infirmary care, et cetera. Hospitalization in Boston costs \$28.00 per day minimum in a ward bed; semi-private or private care is much more expensive.

Degrees and Diplomas

A candidate for a degree or diploma is expected to complete the work of the program in the normal number of college years. When a student enrolled in a program leading to any degree or diploma withdraws for a length of time

which would extend the work of the program to a period longer than normal, the nature and amount of the additional work, if any, to be required for satisfactory completion of the program will be determined by the faculty upon recommendation of the Director of the School concerned.

By vote of the Corporation, any outstanding financial obligation to the College must be discharged before a degree or diploma will be granted.

THE DEGREE OF BACHELOR OF SCIENCE

The requirements for the degree of Bachelor of Science are as follows:

- I. All entrance requirements.
- II. Satisfactory completion of distribution requirements, as follows:
 - a. *English 10 or 11*, or the equivalent.
 - b. Competence in a foreign language, to be demonstrated in one of these several ways:
 1. by successful completion of eight semester hours of foreign language courses on the second-year or intermediate level;
 2. by completion of a foreign language course on the first-year or introductory level with the grade of at least A—;
 3. by passing a proficiency test in a foreign language to be administered at the beginning of the college year and toward the end of each semester;
 4. by an appropriate grade in the foreign language proficiency test of the College Entrance Examination Board.
 - c. Eight semester hours in the Division of Science.
 - d. Eight semester hours in the Division of Social Studies.
 - e. Eight semester hours in literature, the arts, or philosophy. ("Literature" may include advanced courses in foreign language at or above the level of *French 28, German 20, Spanish 20, Russian 20*.*)

III. All the prescribed subjects in some definite four-year or five-year program printed in the catalogue, or in some specific program approved by the director of the school.

IV. Completion of a minimum of 128 semester hours, of which at least 124 must be completed with a passing grade.

V. A quality point average, based on a normal 32-semester-hour program, equivalent to at least 1.67† in each year.

VI. An applicant for the degree must do her final year of work at the College.

THE DEGREE OF BACHELOR OF ARTS

Students in the pregraduate program in the School of Education pursuing a course of study leading to the degree of Bachelor of Arts must satisfy require-

* Such a course will satisfy both this requirement and the language requirement.

† For students who have been in attendance under the previous marking system the following quality point average will be required in 1964-65: fourth-year students, 1.69. See *Marks and Valuations*, page 161.

ments through VI stated for the degree of Bachelor of Science, and must in addition complete satisfactorily the following:

- a. A comprehensive examination during the second semester of the senior year in the student's field of concentration.
- b. A senior thesis in the student's field of concentration.

THE DEGREE OF MASTER OF SCIENCE

The conditions for obtaining the degree of Master of Science are as follows:

1. Every candidate for the degree of Master of Science must hold the baccalaureate degree from Simmons College or from some other approved institution.

2. The candidate must offer evidence of satisfactory completion of such courses as may be prescribed as prerequisites to the work of the graduate program he or she seeks to enter.

3. The subjects elected must be approved by the Faculty Committee on Programs and Academic Standing, and by the heads of the schools or divisions in which they are taken.

4. Customarily, admission to degree candidacy is granted upon the recommendation of the school concerned after the candidate has satisfactorily completed at least 16 semester hours of work at Simmons College and given convincing evidence of professional promise.

5. The candidate must pursue studies at the College for at least one year after receiving the baccalaureate degree. The year's work must be the equivalent of at least 32 semester hours. The fulfillment of all requirements for the degree of Master of Science must demonstrate the candidate's ability to meet a high professional standard. It is understood that a student's connection with the College may be terminated whenever, in the judgment of the faculty, he or she has failed to show sufficient industry, scholarship, or professional aptitude.

DIPLOMAS

Diplomas are granted to students who complete successfully the one-year programs in Publication, in Business Administration, in Medical Technology, and in Orthoptics, and the year-and-a-half program in Physical Therapy, and who receive a quality rating similar to that required for the baccalaureate degree.

MARKS AND VALUATIONS

The marks which are given each year, based on the class work and on the examinations given at the end of the course, are: A (excellent), B (good), C (fair), D (low), E (failure). The mark of D implies that special conditions regarding dependent courses and graduation may be imposed by the faculty. In case any such conditions are imposed, both the student and the parents or guardian are notified.

In determining the general quality of a student's work, the following valuations have been established: A = 4, B = 3, C = 2, D = 1.

Administration and Government

ORGANIZATION OF THE COLLEGE

The immediate government of the College is entrusted by the Corporation to the College faculty, which consists of the President, the Dean, the full-time professors of the various grades, the full-time instructors and lecturers having had three years of full-time experience in college teaching, one year of which has been at Simmons College, and such other members of the staff as the Executive Committee may designate.

At the beginning of each year every student is required to register her proposed schedule of studies. After the first year, the director of the school in which a student is pursuing her professional work has the immediate supervision of her progress and standing and must approve all changes in accepted schedules of studies. A change of school after the first year must have the approval of the Committee on Programs and Academic Standing.

All questions regarding the admission of students and the credit to be given for courses completed at other institutions are determined by the committees of the faculty on admission and programs.

ATTENDANCE

Attendance is expected at all college classes. Students should understand that if they are absent, for whatever reason, instructors are not obliged to grant requests for supplementary work. A student may be required to withdraw from a course in which her absences have been excessive.

College appointments take precedence over any other engagements, including outside employment. The college schedule of classes and laboratories regularly occupies the hours between eight-thirty and four forty-five from Monday to Friday, inclusive, except on legal holidays; on occasion, attendance may be required at class exercises meeting at other than these regular hours. Should it be necessary, the semi-annual examination periods may include Saturdays, in which case attendance at Saturday examinations may be required. In a few programs, after-hour and Saturday classes are scheduled for the convenience of part-time students.

CONDUCT AND SCHOLARSHIP

A student is admitted only on the condition that her connection with the College may terminate whenever, in the judgment of the faculty, she has failed to show sufficient industry, scholarship, or professional aptitude to justify her relation with the College. A student may be dismissed who does not meet the requirements of conduct and order, or whose behavior is inconsistent with the standards of the College.

WITHDRAWAL

A student who is obliged for any reason to withdraw from the College during the academic year is expected to notify the Dean. Her withdrawal becomes effective on the date on which the College receives written notification from her parents or guardian.

Expenses

The first bill includes one-half of the annual charge (minus the tuition deposit), the residence hall key deposit, the first payment of the comprehensive fee, and the Student Accident and Sickness Reimbursement Insurance. The second bill includes the remainder of the annual charge, and the comprehensive fee.

Bills must be paid in advance. Payment of the first bill is due not later than October 2, 1964, and of the second bill not later than February 5, 1965. For fourth-year students in medical technology, the first payment is due by June 19, 1964. Checks should be made payable to Simmons College and presented at the Comptroller's Office.

Those parents who prefer to pay tuition and other fees in monthly installments may contract with Education Funds Incorporated, 10 Dorrance Street, Providence, Rhode Island 02901, for payment of regular charges. One-year, two-year, three-year, and four-year plans are available and include life and permanent disability insurance for the financially responsible parent and life insurance for the student involved. A brochure describing the plans and an application form will be mailed to all students during the month of August.

Since commitments for instruction and other arrangements are necessarily made for the full year in advance, no reduction or rebate of charges can be made in cases of extended absence or of withdrawal during the year. The College reserves the right to change any fees at the end of any term should conditions make it necessary.

APPLICATION FEE

A fee of \$15 is required at the time of application. This fee is not returnable and is not applied on any subsequent term bill.

TUITION DEPOSIT

A deposit of \$50 is required of all candidates accepted for admission. After the spring meeting of the Committee on Admission the bill for this deposit is enclosed with the formal notification of the applicant's acceptance. This deposit is credited on the first bill, but it is forfeited if the student does not register for courses during the year for which she is accepted.

FEES FOR UNDERGRADUATES AND STUDENTS IN DIPLOMA PROGRAMS

Annual fee for full-time programs

For resident students (tuition, room, board)	\$2200
For non-resident students (tuition only)	\$1300

Fees for special full-time programs

School of Science

Final half-year in Physical Therapy

For resident students	\$840
For non-resident students	\$390

Partial programs (fewer than twelve semester hours per half-year)

\$42 per semester hour

Late registration fee

\$5 for registration after the dates set for the purpose, unless excused by the Dean.

Late change of school fee

\$10 for change of school after the beginning of the semester.

Course change fee

\$2 for each change of course on the student's initiative after the first week of classes.

Make-up examination fee

\$5 for failure to appear at make-up examination, unless fee is waived by the Dean.

RESIDENCE CHARGES

A deposit of \$100 is required before any room can be reserved. Refund of the entire deposit will be mailed within two weeks after Commencement to seniors who have remained in residence until graduation.

New students (freshmen and transfers) receive the bill for this deposit with the formal notification of acceptance for admission. The entire amount of the deposit will be returned if notice is received by the College *on or before July first* that the student does not wish the room. If the room is given up after July first, this deposit will be forfeited. Unless a room is occupied, it is not reserved after the second week of the college year except by special arrangement.

Rooms are reserved *for the entire college year*; students are expected not to leave the residence halls unless they withdraw from the College. (A) If a student withdraws from the residence halls *at the close of the first semester* or at any other time *during the academic year*, the room deposit will be forfeited. (B) If a student withdraws from the residence halls *at the close of any academic year*, the room deposit, entitling her to a room reservation for the following year, will be refunded only if notice is received by the Dean's Office *on or before July first* of that year.

Students who plan to enter the residence halls at the beginning of the second semester are required to pay a \$100 deposit before the room assignment can be made. They should see the Director of Students well in advance of the opening of the semester.

A \$5 key deposit is required of all students living in the residence halls.

A \$3 fee is charged for any change of room after the beginning of the college year.

The residence charge for students who live in the residence halls during the six-week summer session is \$160.

COMPREHENSIVE FEE

A comprehensive fee of \$35 per semester is charged to all full-time undergraduate students. This comprehensive fee embraces the student activities

fee, which contributes to the support of the *Simmons News*, Student Government Association, the various classes, and other student activities; the health fee; charges for the cost of supplies and materials used in courses; and the graduation fee.

The health fee covers the cost of medical examinations and consultations given by the College physician and her assistants, treatments which may be given by the College nurses, and a maximum of five days of care a year in the College Infirmary (with the exception of medications) as advised by the physician. Any infirmary care beyond five days is charged to the student at the rate of \$5 a day. Non-resident students who are confined to the Infirmary are charged for their meals at the current rate established by the dining hall management. A fee of \$2.50 is imposed on any student who fails to notify the Health Office if she is unable to meet an appointment made for her physical examination.

COURSE FEES

In certain areas students who are not required to pay a comprehensive fee may be charged individual course fees not to exceed \$35 per semester.

In *Biology 41* and in all chemistry laboratory courses each student is required to purchase a coupon book. Coupons remaining after the final check by the chemistry stockroom may be cashed at the Comptroller's Office.

Students enrolled in biology courses will be billed individually for personal breakage of laboratory equipment.

FEES FOR GRADUATE PROGRAMS

Annual fee for non-resident students

For full-time programs \$1100

Partial programs (fewer than twelve semester hours per half-year)

\$35 per semester hour

Summer programs

\$35 per semester hour

Library Science fees

A general fee of \$6 each semester and \$3 each summer is required of all full-time graduate students enrolled in professional courses in Library Science.

A fee of \$2 per course (not to exceed \$6 in any half-year) is required of all part-time students enrolled in Library Science courses.

Field work fee

\$10 per semester, required of all students in the School of Social Work enrolled in field work.

Thesis work

School of Education

\$35 for supervision of thesis.

* College graduates enrolled in diploma programs see page 163.

School of Social Work

\$75 for supervision during each semester in which the candidate is not enrolled in *Social Work 251*,* or \$37.50 for supervision during the summer months; \$10 reading fee for review of a thesis in final form after end of the summer or semester.

Graduation fee

\$7.50, required of all candidates for the degree of Master of Science or the diploma.

Other course fees, late registration fee, course change fee, and make-up examination fee

See page 164.

Health fee

\$25, required of all full-time women graduate students except those enrolled in the School of Social Work. For a description of the services covered by the health fee see page 165.

Financial Aid

It is the policy and aim of Simmons College to make its educational opportunities available, through financial aid, to as many promising students as possible who could not otherwise meet the full expense of a Simmons education. In each case sound character and intellectual promise as well as financial need are taken into consideration.

Financial aid is offered in the form of scholarships and loans and may be supplemented by term-time employment after the student has demonstrated her ability to carry college work successfully. (See *Placement*, page 36.) Most awards are made for the college year and may be applied to college charges only.

All students who apply for financial assistance must submit annually accurate evidence of need through the Parents' Confidential Statement of the College Scholarship Service. Information concerning application procedure may be obtained from the Director of Student Financial Aid.

SCHOLARSHIPS FOR FRESHMEN

FULL-TUITION SCHOLARSHIPS (and some up to a maximum of \$2,000 for one year) are offered in limited number to candidates of excellent ability with financial need who will live in the College residence halls. Continuance of these scholarships beyond the freshman year depends upon the maintenance of acceptable academic standing, good college citizenship, evidence of continued financial need, and *annual* application prior to February first.

SIX SPECIAL SCHOLARSHIPS are offered in addition to the above and renewed under the same terms:

* See page 141.

TWO REGIONAL SCHOLARSHIPS, of \$1,300 for each of four years, for resident students from any state within the United States except those in southern New England and the State of New York.

SIMMONS COLLEGE ALUMNAE ASSOCIATION SCHOLARSHIP of \$1,300 for each of four years, open to either resident or non-resident students.

TWO AGNES M. LINDSAY SCHOLARSHIPS of \$1,000 for each of four years, for either resident or non-resident students.

GENERAL MOTORS SCHOLARSHIP, up to \$2,000 a year depending upon individual need, for each of four years, for either resident or non-resident students.

SMALLER SCHOLARSHIPS, approximately twenty, (and a few for commuting students through the Simmons College Greater Boston Scholarship Program) range in value from \$200 to \$1,000 and are open to both resident and non-resident students.

ALUMNAE CLUB SCHOLARSHIPS, ranging from \$100 to \$800, are offered by Simmons Clubs of the following areas, preferably to entering freshmen from the area:

Boston, Massachusetts	Philadelphia, Pennsylvania
Bridgeport, Connecticut	Portland, Maine
Cleveland, Ohio	Rhode Island
Hartford, Connecticut	Rochester, New York
Long Island, New York	South Shore, Massachusetts
Merrimack Valley, Massachusetts	Southern Fairfield County, Connecticut
Middlesex, Massachusetts	Washington, D.C.
New Haven, Connecticut	Wellesley-Needham, Massachusetts
Newton, Massachusetts	Westchester County, New York
North Shore, Massachusetts	Worcester, Massachusetts

NAMED OR ENDOWED SCHOLARSHIPS (see pages 168-171) are in some instances open to freshmen as well as to upperclass students.

* * *

Once a student has completed application for scholarship aid, she is automatically considered for any scholarship for which she is eligible. *It is not necessary to make special application for any one scholarship.*

Although freshman scholarships, with the exception of the Full-Tuition and Special Scholarships, are not automatically renewable, the Scholarship Committee is most favorably disposed toward those students who have been helped in the first year and whose academic achievement, financial need, and college citizenship compare favorably with those of other upperclass applicants.

APPLICATION FOR FRESHMAN SCHOLARSHIPS

Any student wishing to apply for financial aid in her freshman year must complete and file with the appropriate office the following three forms:

1. Application for admission to Simmons College which may be obtained from and filed with the Director of Admission.

2. Application for Simmons College scholarship which will be sent upon request by the Director of Admission and must be returned to the Director of Student Financial Aid.

3. Parents' Confidential Statement, available from the applicant's secondary school, which must be filed with the College Scholarship Service, Box 176, Princeton, New Jersey.

These three forms are due by

November first for early-decision candidates

February first for applicants under the regular admission plan.

Notification of scholarship awards will be mailed, insofar as possible, concurrently with admission decisions.

SCHOLARSHIPS FOR UPPERCLASSMEN

Scholarships for students already enrolled in the College are awarded competitively on the basis of academic achievement and need for financial assistance. Character and college citizenship are also taken into consideration. Awards generally are made for the college year with one-half the assigned amount credited to each semester's bill.

Application for scholarships and other financial aid must be filed with the Director of Student Financial Aid by *February first* of the academic year preceding that for which assistance is desired.

Students transferring from other colleges are eligible for scholarship consideration following the successful completion of at least one semester's work at Simmons.

Named or Endowed Scholarships for Undergraduates

WINIFRED ARMSTRONG SCHOLARSHIP FUND,* for the benefit of a student from Calais, Maine.

SARAH LOUISE ARNOLD MEMORIAL SCHOLARSHIP FUND, established by alumnae and friends of Simmons College, for students entering their senior year in any of the Schools.

SMITH TINKHAM BALKHAM SCHOLARSHIP FUND,* for the benefit of a graduate of Calais Academy, Calais, Maine.

B. MARION BROWN MEMORIAL FUND SCHOLARSHIP, for a student in the School of Science or for one in the School of Home Economics who is specializing in chemistry.

LILLIAN CLARK BROWN SCHOLARSHIP FUND,* preference being given to a resident of New Britain, Connecticut, in need of financial assistance.

NELLIE PARNEY CARTER SCHOLARSHIP FUND, to be used for maintaining scholarships in the College.

WILLIAM M. CAVANAUGH MEMORIAL SCHOLARSHIP FUND, established by the Publicity Club of Boston, to be awarded to a junior or senior in the School of Publication planning to enter the field of communications.

* Open to first-year students.

RUTH CHAPMAN MEMORIAL FUND,* for a worthy student from the City of Portland, Maine.

CLASS OF 1910 MEMORIAL SCHOLARSHIP FUND,* to be used for maintaining scholarships in the College.

DOROTHY CLEAVELAND SCHOLARSHIP ENDOWMENT FUND, to be used for maintaining scholarships in the College.

FANNIE F. AND ALICE W. CLEMENT SCHOLARSHIP FUND, for a student in the School of Home Economics.

JANE CONARD SCHOLARSHIP FUND, for students in the School of Home Economics and the School of Library Science.

ISABELLA N. DUNTON SCHOLARSHIP FUND, to be used for maintaining scholarships in the College.

NANCY KITFIELD ELLISON MEMORIAL SCHOLARSHIP FUND, for a student in the School of Nursing.

ALICE IVES GILMAN SCHOLARSHIP FUND, established in memory of the late Miss Gilman, an alumna of the College and a member of the administrative staff.

SARAH E. GUERNSEY D.A.R. SCHOLARSHIP FUND,* established by the Massachusetts Chapter of the Daughters of the American Revolution in honor of Mrs. Sarah E. Guernsey, a former President-General of the National Society; preference to be given to an orphan of an American soldier.

HAYES SCHOLARSHIP FUND, established by Lawrence W. Hayes, for the benefit of a qualified student.

ELEANOR HAYWARD MEMORIAL FUND, for current scholarships.

MARIA HOWARD HILLIARD MEMORIAL FUND SCHOLARSHIP, preferably for a student in the School of Home Economics.

LAVERN AVERILL HODGKINSON SCHOLARSHIP FUND, established by Mr. and Mrs. Harold D. Hodgkinson in memory of his mother.

THEODORA KIMBALL HUBBARD SCHOLARSHIP FUND, the income to be used to recognize distinguished scholarship and achievement.

SARAH ORNE JEWETT SCHOLARSHIP FUND,* contributed by friends of the late Sarah Orne Jewett, preference to be given to a student from Maine.

MARY MORTON KEHEW SCHOLARSHIP FUND,* established as a memorial by the family of the late Mrs. Mary Morton Kehew, for many years a member of the Corporation of Simmons College.

BESS LORING MEMORIAL SCHOLARSHIP FUND,* to be used for maintaining scholarships at the College.

ELLEN F. AND IDA M. MASON SCHOLARSHIP FUND, for needy and deserving students.

* Open to first-year students.

MICROCOSM SCHOLARSHIP, provided from funds accumulated by the successive boards of editors of the *Microcosm*.

EMILY BURNS MITCHELL SCHOLARSHIP FUND,* preferably for a graduate of Calais Academy and High School, Calais, Maine.

EVANGELINE HALL MORRIS SCHOLARSHIP FUND, for a student in the School of Nursing.

FRANCES ROLLINS MORSE MEMORIAL SCHOLARSHIP FUND, established by friends of the late Miss Morse, a charter member of the Corporation and for many years a devoted friend of the College and its students. It is awarded to the applicant in the senior class who is regarded as most worthy of recognition.

NELLIE JAMES NEILL SCHOLARSHIP FUND, preferably for students engaged in studies in the relation of food to good health.

JOSEPHINE FRENCH NICHOLS MEMORIAL SCHOLARSHIP,* established by her husband and the members of the Bridgeport Simmons Club, for current scholarships.

HELEN A. NORTON SCHOLARSHIP FUND, for a student in the Prince School Program in Retailing.

EMERETTE O. PATCH FUND,* preference being given to applicants who are graduates of the Girls' High School of Boston, or who are graduates of the High School of Lexington, Massachusetts, provided that each applicant from the last-named school shall, at the time of her application, have resided in Lexington for not less than five years immediately preceding.

FLORENCE STINCHFIELD PATCH FUND,* preference to be given to graduates of the High School of Lexington, Massachusetts, provided that each applicant shall, at the time of her application, have resided in Lexington for not less than five years immediately preceding.

JOHN C. AND HARRIET W. PHILLIPS FUND, to be used for maintaining scholarships in the College.

GEORGE ARLON POLSEY MEMORIAL SCHOLARSHIP FUND, to be used for maintaining scholarships at the College.

ANNIS M. RIDEOUT SCHOLARSHIP FUND, for needy students.

PHYLLIS DAWSON ROWE MEMORIAL SCHOLARSHIP FUND, for a superior student majoring in dietetics, preferably a junior, in the School of Home Economics.

MRS. WINTHROP SARGENT SCHOLARSHIP FUND, established in memory of the late Mrs. Winthrop Sargent of Boston, for the benefit of students in the School of Home Economics.

SEWALL SCHOLARSHIP FUND, derived from the accumulated fund of the former Boston Cooking School Corporation and available for students in the School of Home Economics.

MIRIAM FRANC SKIRBALL SCHOLARSHIP FUND, established by friends in memory of the late Mrs. Skirball, a former instructor in the Department of English, to be awarded annually with the advice of the Director of the School of Publication.

* Open to first-year students.

CAROLINE T. SLATER SCHOLARSHIP FUND, a gift of the trustees of the Andrew C. Slater Fund, preference to be given to a student from Massachusetts.

DOROTHY SPAULDING SCHOLARSHIP FUND,* preference to be given to a graduate of Potter Academy, in Sebago, Maine.

KATHARINE LENT STEVENSON SCHOLARSHIP FUND,* for the benefit of a member of the Woman's Christian Temperance Union, which reserves the right to appoint or approve recipients of the scholarship.

MARY BOSWORTH STOCKING FUND, preferably for a student in the School of Home Economics.

STUDENT AID FUND, to aid needy and deserving students.

SUTTER MEMORIAL SCHOLARSHIP FUND,* established in memory of the late Emma M. Sutter.

CLARE L. SWEENEY SCHOLARSHIP FUND, to aid needy students in the School of Business Administration.

MAY ALDEN WARD MEMORIAL SCHOLARSHIP FUND, established by various organizations and individuals in memory of the late Mrs. May Alden Ward, preference to be given to a Massachusetts student.

HELEN H. WHITE SCHOLARSHIP FUND, to aid needy and deserving students.

AMASA J. WHITING SCHOLARSHIP FUND, to assist in the payment of the tuition of a qualified student.

WOMEN'S SCHOLARSHIP ASSOCIATION FUND.* Scholarships from this Fund are available for the aid of young women in general and Jewish young women in particular. Applicants must reside within a twenty-five mile radius of Boston. Preference is given to students entering the first-year class. The scholarship is awarded to a candidate recommended by the Women's Scholarship Association. Applications should be sent to Mrs. Robert Masters, 54 Brentwood Avenue, Newton Centre, Massachusetts 02159, or to Mrs. Myron Stanton, 83 Ardmore Road, Needham Heights, Massachusetts 02194.

HELEN WOOD SCHOLARSHIP FUND, established by the Nurses' Club of Simmons College, to be awarded preferably to a graduate nurse enrolled in the General Nursing Program or to an undergraduate student in the School of Nursing who comes recommended by the Director of that School.

Scholarships for Graduate Students

Scholarships are offered in limited number to students who have been accepted for admission to the graduate programs in Library Science and Social Work. Information concerning these scholarships will be found in the graduate bulletins of the respective schools, and application forms may be obtained from the school directors.

LOANS

Simmons College Loans are available from College funds to upperclassmen and are to be applied to college charges only. Repayment is to be made in small

* Open to first-year students.

monthly installments following the student's graduation or withdrawal from the College. All such loans are subject to interest at the rate of three percent a year on the unpaid principal. Application may be made in the Office of Student Financial Aid.

National Defense Student Loans, from funds provided partly by the Congress of the United States (under the National Defense Education Act of 1958, Title II) and partly by Simmons College, are available to full-time students showing evidence of real need in meeting educational expenses. These are the only loans open to freshmen and transfer students in their first year at Simmons College. Information and application forms may be secured in the Office of Student Financial Aid.

Student Loaning Fund, established by the New England Society in the City of New York, makes available to deserving students, especially those of New England birth or ancestry, small amounts of money as temporary loans (not to exceed one college year) to meet emergency personal needs.

AWARDS AND PRIZES

ALUMNAE AWARD FOR ACADEMIC ACHIEVEMENT is given to a senior distinguished as to scholarship who comes recommended by the School in which she is enrolled as the most promising in her chosen field.

ALUMNAE HONOR AWARD is given to the senior who most nearly approximates the ideal Simmons student by combining scholarship, participation in student activities, contribution to college life, and general all-round excellence.

ASSOCIATES' PRIZE, for the incoming junior, distinguished as to scholarship, who comes recommended by the School in which she is enrolled as the most promising in her chosen field.

ALLEN DOUGLASS BLISS MEMORIAL AWARD, for that fourth-year student, recommended by the Department of Chemistry, whose academic achievement and promise in the field of chemistry are highest among her classmates specializing in this science.

JESSIE BANCROFT COX PRIZE IN PUBLICATION, to the senior who in the judgment of the faculty of the School has demonstrated the greatest professional promise in the field of publication.

DANIELSON MEMORIAL AWARD, awarded in the spring to an outstanding resident junior, to be applied to her residence charges for the senior year.

BEATRICE GANNON AWARD, for the senior in the School of Business Administration with the highest scholastic average.

KING C. GILLETTE AWARD, to the graduating senior in the School of Business Administration who best exhibits those qualities of leadership, scholarship, service, and character which are usually associated with professional and personal success.

HODGKINSON ACHIEVEMENT AWARD, to an outstanding member of the graduating class in the Prince School Program in Retailing.

PALMER AWARD, for the student who has the best record and the greatest promise in the field of social studies.

PRINCE SCHOOL FOUNDER'S PRIZE, for the outstanding member of the graduating class in the Prince School Program in Retailing.

ROBERT RANKIN AWARD, for the senior who best displays the qualities of friendliness, understanding, and interest in her fellow men which were evident in Dr. Robert Rankin.

MARJORY STIMSON HONORS AWARD, established by the Nurses' Club of Simmons College in honor of Miss Stimson, for many years a member of the staff of the School of Nursing. It is awarded in the fall to a student eligible for the bachelor's degree the following June, who is distinguished as to scholarship and comes recommended by the School of Nursing as the most promising in her chosen field.

CATHERINE JONES WITTON MEMORIAL AWARD, for the outstanding senior specializing in biology.

Bequests

The Corporation of Simmons College welcomes gifts to be devoted to the general purposes of the College, to permanent endowment, to scholarships, to buildings, or to such other use as the donor may specify. Such gifts may take the form of a memorial to a person whom the donor designates. Bequests to Simmons College, a charitable educational corporation, are free from whatever inheritance or succession taxes are ordinarily imposed and gifts to the College are not reduced by such taxes.

SUGGESTED FORM FOR SPECIFIC BEQUEST

"I give, devise, and bequeath to Simmons College, a corporation duly established under the laws of Massachusetts, and located in the City of Boston, the sum of dollars, to be applied to the general uses and purposes of said institution."

SUGGESTED FORM FOR RESIDUARY BEQUEST

"I give, devise, and bequeath to Simmons College, a corporation duly established under the laws of Massachusetts, and located in the City of Boston, all the rest, residue, and remainder of my property, real or personal, of which I may die seized or possessed or to which I may be entitled at the time of my decease, to be applied to the general uses and purposes of said institution (or for express separate purposes of the institution such as may be defined in the terms of the will itself)."

Information

All requests for application forms or for information with regard to the College should be addressed to the DIRECTOR OF ADMISSION, SIMMONS COLLEGE, THE FENWAY, BOSTON, MASSACHUSETTS 02115. *Copies of other publications of the College are gladly furnished upon request. They include:*

THE GRADUATE BULLETIN OF THE SCHOOL OF LIBRARY SCIENCE

THE GRADUATE BULLETIN OF THE SCHOOL OF SOCIAL WORK

THE ANNOUNCEMENTS OF THE SUMMER SESSIONS

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